



ISSUE No. 50



Golden Jubilee Edition

Pharma Web

Newsletter of
Tamilnadu Pharmaceutical
Sciences Welfare Trust

Apr. - May. - Jun. 2021



Destiny for Innovation

Moving Globally

- R & D and Manufacturing of API
- R & D and Manufacturing of Formulations
- International Marketing
- Domestic Marketing
- Medical Devices
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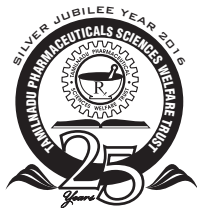
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**Tamilnadu Pharmaceutical
Sciences Welfare Trust**

Pharma Web

Newsletter of Tamilnadu Pharmaceutical Sciences Welfare Trust

ISSUE : 50

Apr. - May. - Jun. 2021

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EDITORIAL

Dear Readers,

We are happy to publish the 50th issue of Pharma Web Newsletter for **Apr – Jun 2021**.

It is great pleasure to intimate all our readers that this is our Golden Jubilee issue of our Pharma Web Newsletter. Our trustees magnanimously contributed to Tamilnadu CM welfare fund for the purpose of Covid relief in Tamilnadu. We are appreciating their liberal contribution to the tune of Rs. 10 lakhs. We are also feeling very sad for the sudden demise of our active trustees Mr. M. Sardharmal Chordia Chairman of M/s. Medopharm group of companies and Mr. T .S Jaishankar, a very active person in all our IPC congress work along with Mrs. Dr. Rajam Jaishankar. Their lost create lot of vacuum in our trust work and activities.

This 50th issue of news letter contains the program highlights as well as the following lectures given by various resource persons. IPA TN branch arranged the following technical lecture programme. We publish the same in order to benefit all our professionals.

- Smart way of working in Pharmaceutical Industry to be the Pioneer & 2-DG - **Dr. Vellaian Karuppiah**, Global Head – Manufacturing Science and Technology, Strides Pharma Science Limited, Bangalore.
- Pharmaceutical “Quality by Design” (QbD): An Introduction, Process Development and Applications - **Dr. Vellaian Karuppiah**, Global Head – Manufacturing Science and Technology, Strides Pharma Science Limited, Bangalore.

We have published the various Gazette Notifications pertaining to the amendment of Drugs & Cosmetics Act & Rules and also important circulars issued by DCGI.

The important events like National Pharmacy Week Celebration, IPA Best Branch award, IPA Life time achievement awards are published.

Important news items connected to our Pharmacy profession appeared in various national news papers are published in this issue.

We are very much thankful to M/s. Delvin Formulations, M/s. Medopharm, M/s. Tablets (India) Ltd., M/s. Acid India Ltd., for the continuous support by giving advertisement, in order to sustain the cost of publishing of this newsletter.

Our special thanks to M/s. Fourrts (India) Laboratories Pvt. Ltd., for supporting Pharma Web advertisement and also awarding meritorious award for B. Pharm Students of The Tamilnadu Dr. MGR Medical University, Guindy, Chennai.

Hope this Newsletter will benefit our Pharma professionals. Any suggestions to improve our news letter are welcome.

With Best Regards,
R. NARAYANASWAMY
Chief Editor

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ARTICLES

SMART WAY OF WORKING IN PHARMACEUTICAL INDUSTRY TO BE THE PIONEER

**&
2-DG**

by

Dr. Vellaian Karupiah.

Global Head – Manufacturing Science and Technology, Strides Pharma Science Limited, Bangalore

Lecture Delivered during Webinar organized by of IPA, Tamilnadu, on 6th June 2021

Background

- 1.The Efficacy of Treatment is Now Transparent
- 2.Data Visualization to Increase Accessibility.
- 3.Patients Are Empowered to Play an Active Role in Their Care
- 4.24/7 Virtual Care
- 5.Digital Streamlines Processes for Efficiency



Enhanced Drug Development

Common FDA Applications for Drugs & Biologics

- I.Requests for authorization for clinical investigations
- II.Requests for marketing approval
- 1.Investigational New Drug Application (IND)
 - I.CommercialINDs
 - II.Research INDs
- 2.New Drug Application (NDA)
- 3.Biologic License Application (BLA)
- 4.Abbreviated New Drug Application (ANDA)
- 5.Over-the-Counter (OTC) Application

There are two pathways by which marketing of OTC products may be achieved:

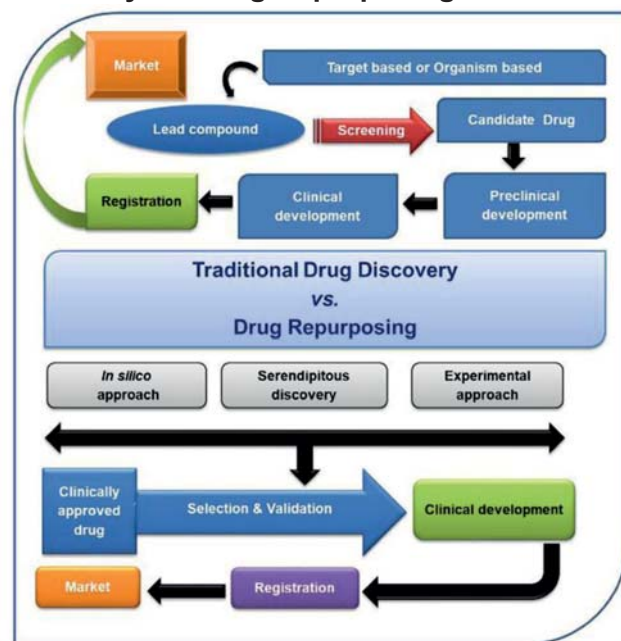
 - I.Compliance with an OTC drug monograph
 - II.Approval under an NDA or ANDA

Repurposing of molecules

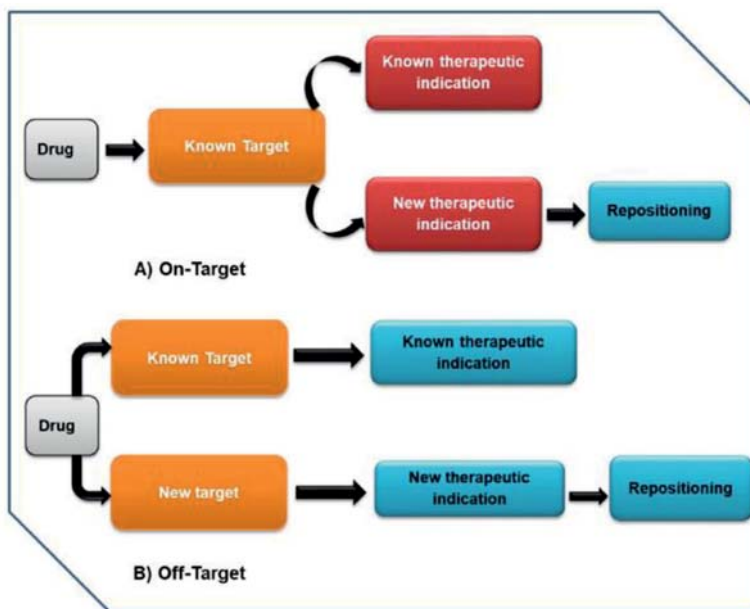
1.360 molecules repurposed as on date

- I. Sildenafil originally developed for the treatment of hypertension and angina pectoris has currently been used to treat erectile dysfunction.
- II. With the advancement of bioinformatics/cheminformatics tools and availability of huge biological and structural database, drug repositioning has significantly decreased the time and cost of the drug development with reduction in risk of failure. In recent years, the use of in silico techniques along with the application of structure-based drug design (SBDD) and artificial intelligence (AI) technology has further accelerated the drug repurposing process
- III. Drug repositioning has several advantages in comparison with traditional approaches to drug discovery. When comparing with traditional drug discovery program, a significant reduction of the time spent in R&D can be observed. In traditional approach, it is estimated that 10–16 years are spent for the development of a new drug, while in DR the estimated time is between 3 and 12 years.
- IV. It only costs \$1.6 billion to develop a new drug using a drug repositioning strategy, while the drug development through traditional strategy costs around \$12 billion

Traditional Drug Discovery vs. Drug Repurposing



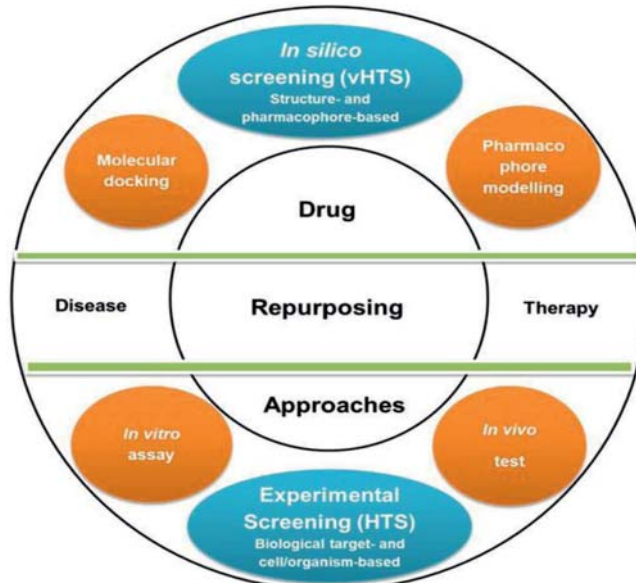
Drug Repurposing



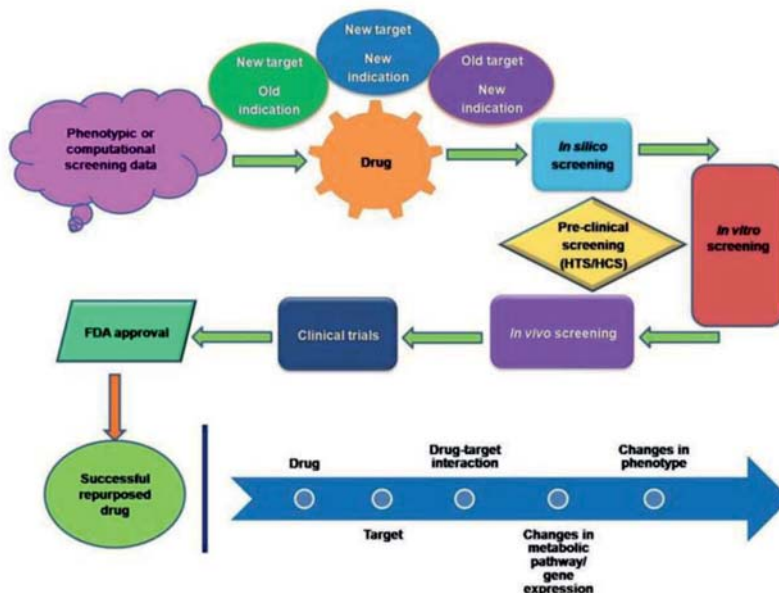
Activity based vs. In silico based approach

Activity-based approach	In silico-based approach
Experimental (in vitro and in vivo) screening	Computational (virtual) screening
Target-based and cell/organism-based screening assay	Protein target-based screening
Requires no structural information of target proteins and drug-induced cell/disease phenotypic information	Requires structural information of target proteins and drug-induced cell/disease phenotypic information
Time and labour consuming	Time and labour efficient
Lower rate of false positive hits during the screening	Higher rate of false positive hits during the screening

In silico screening vs. Experimental screening



Methodologies of drug repurposing



Various methodologies employed in drug repositioning along with suitable examples

Methodology	Type of method, category	Method/specific approach	Example(s)
Drug-oriented			
Phenotypic screening	Blinded/ Target-based, Screening	In vitro and in vivo HTS/HCS screening	Sildenafil (erectile dysfunction), rituximab (breast cancer)
Target 3D structure, chemical structure, information of drugs and ligands	Target-based, Cheminformatics	In silico screening, ligand-based screening and molecular docking, fragment-based screening	Fluorouracil (lung cancer), etoposide (bladder cancer)
Drug-target information, chemical structure, information of targets and drugs	Knowledge-based, Bioinformatics/ Cheminformatics	Drug-target prediction	Simvastatin, ketoconazole (breast cancer)
Clinical trial information and adverse effects	Knowledge-based, Bioinformatics	Drug similarity studies	–
FDA approval labels	Knowledge-based, Bioinformatics	Drug similarity studies	–

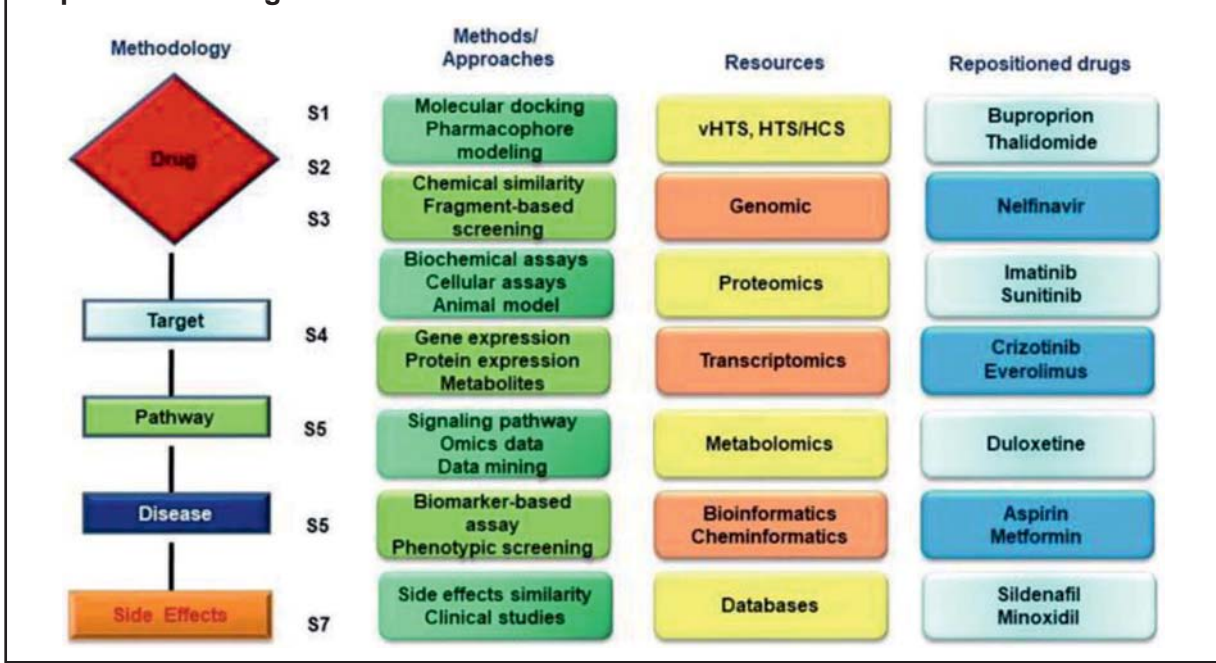
Various methodologies employed in drug repositioning along with suitable examples

Methodology	Type of method, category	Method/specific approach	Example(s)
Disease-oriented			
Available Pathway information	Knowledge-based, Bioinformatics	Knowledge-based, Bioinformatics Discovery of disease mechanism and address of key targets	Vismodegib (skin cancer)
Disease omics/ genetics data	Signature-based Bioinformatics	Studying gene signatures/ genomics to identify key targets	–
Disease omics data, available pathway information, and protein interaction network	Pathway or network-based, Network biology	Analysis of disease-specific pathways and networks to identify key targets	Sunitinib, dasatinib (breast cancer, brain tumor)

Various methodologies employed in drug repositioning along with suitable examples

Methodology	Type of method, category	Method/specific approach	Example(s)
Therapy-oriented			
Drug omics data	Signature-based or Signature -and network-based, Bioinformatics and /or Network biology	Studying gene signatures	Sirmlimus (acute lymphoblastic leukemia), Fasudil (neurodegenerative disorders)
Disease omics and drug omics data	Signature-based Bioinformatics	Similarities between drugs and diseases	Cimetidine (lung cancer), topiramate (inflammatory bowel disease)
Drug omics data, disease pathway and protein interaction network	Targeted -mechanism based, Network biology and Systems biology	Elucidating targeted pathways	Daunorubicin, clomifene (breast cancer)

Repositioned drugs



Repositioned drugs under C/T

Drug, pharmacological category	Original indication	New indication	Status of development
Amphotericin B (AMB), Anti-fungal antibiotic	Fungal infections	Leishmaniasis	Already developed_*
Aspirin, NSAID	Pain and inflammation	CVDs (Anti-platelet)	Already developed_*
		Prostate cancer	Already developed_*
Amantadine, Anti-viral	Influenza	PD	Already developed_*
Astemizole, Anti-histaminic	Allergic illness such as urticaria	Malaria	Already developed_*
Atomoxetine, Anti-depressant	Depression	Attention deficit, Hyperactivity disorder	Already developed_*
Avermectin, Anthelmintic	River blindness, Elephantiasis	Tuberculosis	Already developed_*
Azithromycin, Anti-bacterial antibiotic	Bacterial infections	COVID-19	Already developed_*

Repositioned drugs under C/T

Bromocriptine, Dopamine receptor antagonist	PD	DM (type 2)	Under development_*
Bupropion, SSRI, Anti-depressant	Depression	Smoking Cessation	Already developed_*
Celecoxib, COX-2 inhibitor, NSAID	Inflammation	Breast and colon cancer	Under development_*
Chloroquine, Anti-malarial	Malaria	COVID-19	Under development_*
Cimetidine, H2 receptor antagonist	Gastric ulcer	Breast, lung and prostate cancer	Under development_*
Crizotinib, ALK inhibitor	Lymphoma (under clinical trial for ALCL)	NSCLC	Already developed_*
Colchicine, Anti-inflammatory agent	Gout (Gouty arthritis)	Pericarditis	Already developed_*
		COVID-19 Under development *	COVID-19 Under development *

Repositioned drugs under C/T

Daunorubicin, Antibiotic		Breast cancer	Already developed_*
Digoxin, Cardiotonic	CVDs such as heart failure	Prostate Cancer	Under development_*
Dimethyl fumarate, Anti-allergic	Psoriasis	Multiple sclerosis (MS)	Already developed_*
Disulfiram, Acetaldehyde dehydrogenase inhibitor	Chronic alcoholism	Cancer	Under development_*
Duloxetine, SSNRI	Depression	Generalized anxiety disorder, fibromyalgia, chronic musculoskeletal pain, neuropathic pain	Already developed_*
Everolimus, Immune suppressant	Immune suppressant	Pancreatic neuroendocrine tumors	Already developed_*
Favipiravir, Anti-viral	Influenza	COVID-19	Under development_*

Repositioned drugs under C/T

Fluorouracil, Antimetabolite, Anti-cancer	Cancer	Breast cancer	Already developed_*
Fluoxetine, Anti-depressant	Depression	Premenstrual dysphoria	Already developed_*
Gabapentin, Anti-epileptic	Epilepsy	Neuropathic pain	Already developed_*
Galantamine, AChE inhibitor	Neuromuscular paralysis	AD	Already developed_*
Hydroxychloroquine, Anti-malarial	Malaria, RA	COVID-19	Under development_*
Ibuprofen, PDE inhibitor (Anti-asthmatic)	Asthma	Neuropathic pain	Already developed_*
Imatinib, TKI (Anti-cancer)	CML, ALL	GIST	Already developed_*
Isoniazid, Anti-tubercular	Tuberculosis	Certain types of tumor	Already developed_*
Itraconazole, Anti-fungal	Fungal infections	Cancer like NSCLC (Anti-angiogenic)	Under development_*
Ivermectin, Anthelmintic (Anti-parasitic)	Scabies, river blindness, helminthiasis	COVID-19	Under development_*

Repositioned drugs under C/T

Lopinavir/Ritonavir, Anti-viral	HIV/AIDS	COVID-19	Under development_*
Metformin, Anti-diabetic	DM (type 2)	Breast and colon Cancer, CVDs	Under development_*
Methotrexate, Anti-metabolite (Anti-cancer)	Cancer	Psoriasis, RA	Already developed_*
Milnacipram, Anti-depressant	Depression	Fibromyalgia	Already developed_*
Miltefosine, Anti-leishmanial	Cancer	Leishmaniasis, Amoeba infection	Already developed_*
Mifepristone, Antiprogesterin	Termination of pregnancy in combination with misoprostol	Cushing's syndrome	Already developed_*
Minoxidil, Vasodilator (Anti-hypertensive)	Hypertension	Androgenic alopecia	Already developed_*
Nelfinavir, Anti-viral	HIV/AIDS	Breast cancer, NSCLC (under clinical trials)	Under development_*

Repositioned drugs under C/T

Nitroxoline, Anti-bacterial	UTI	Breast, bladder and pancreatic cancers	Under development_*
Orlistat, Anti-obesity agent	Obesity	Cancer	Already developed_*
Penfluridol/Pimozide, Anti-psychotics	Psychiatric illness	Breast cancer	Under development_*
Propranolol, β -Blocker	Hypertension	Migraine	Already developed_*
Remdesivir, Anti-viral	Influenza, Ebola (failed in clinical trial)	COVID-19	Under development_*
Retinoic acid	Acne	Acute leukemia	Already developed_*
Ribavirin, Anti-viral	Viral infection such as RSV, hepatitis C infections	Cancers like leukemias and lymphomas	Under development_*
Ritoximab			
Ropinirole, Anti-Parkinsonian drug	PD	Restless leg syndrome	Already developed_*

Repositioned drugs under C/T

Sildenafil, PDE inhibitor	Angina pectoris, Pulmonary arterial hypertension	Erectile dysfunction	Already developed_*
Simvastatin, Hypolipidemic	CVDs	Lung cancer	Already developed_*
Sunitinib, TKI (Anti-cancer)	Imatinib-resistant GIST, RCC	Pancreatic neuroendocrine tumors	Already developed_*
Tamoxifen, Anti-estrogen (Anti-cancer)	Breast cancer, Anticancer	Systemic lupus erythematosus	Already developed_*
		NTDs like Leishmaniasis (in combination with miltefosine)	Under development_*
Thalidomide, Immune modulator	Immunomodulation, Morning sickness (withdrawn)	Multiple myeloma, Leprosy	Already developed_*
Tocilizumab, IL-6 inhibitor (Immune modulator)	RA	COVID-19	Under development_*
Topiramate	Fungal infections	IBD	Already developed_*

Repositioned drugs under C/T

Valproic acid, Anti-epileptic	Epilepsy	Manic depression (bipolar disorder), migraine headache	Already developed_*
Valsartan, ARB (Anti-hypertensive)	Hypertension, Heart attack	AD	Already developed_*
Zidovudine, Anti-viral	Cancer (failed clinical trial)	HIV/AIDS	Already developed_*

Various databases and software are available publicly for genomics, proteomics, metabolomics and pathway analysis

Information available about	Database	Website
Chemical structure	PubChem	http://pubchem.ncbi.nlm.nih.gov
	Drugbank	http://www.drugbank.ca/
	Chemspider	http://www.chemspider.com
	ChemDB	http://www.chemdb.com
	Therapeutic Target Database (TTD)	http://bidd.nus.edu.sg/group/cjttd/
Target 3D structure	RCSB Protein Data Bank (PDB)	http://www.rcsb.org
	OCA	http://oca.weizmann.ac.il/oca-bin/ocamain
	Proteopedia	http://proteopedia.org

Various databases and software are available publicly for genomics, proteomics, metabolomics and pathway analysis

Drug-target information	Drugbank	http://www.drugbank.ca/
	Therapeutic Target Database (TTD)	http://bidd.nus.edu.sg/group/cjttd/
	Pharmacogenetics Knowledge Base (PharmGKB)	http://www.pharmgkb.org/
	DrugMap Central (DMC)	http://r2d2drug.org/index.html
Protein interaction information	Human Protein Reference Database (HPRD)	http://www.hprd.org/
	Biological General Repository for Interaction	http://thebiogrid.org/
	Database of Interacting Proteins (DIP)	http://dip.doe-mbi.ucla.edu/dip/Main.cgi
	STRING	http://string-db.org/

Various databases and software are available publicly for genomics, proteomics, metabolomics and pathway analysis

Pathway information	NCI Pathway Interaction Database (NCI-PID)	http://pid.nci.nih.gov/
	Kyoto Encyclopedia of Genes and Genomes (KEGG)	http://www.genome.jp/kegg/
	Pathway Commons	http://www.pathwaycommons.org/about/
Clinical trial information and adverse effects	Clinicaltrial.gov	http://clinicaltrials.gov
	Adverse Reaction Database (Canada)	http://www.fda.gov/Drugs/
	SIDER	http://sideeffects.embl.de/

Various databases and software are available publicly for genomics, proteomics, metabolomics and pathway analysis

FDA label information	FDALABEL (US FDA)	http://www.fda.gov/ScienceResearch/
	DailyMed (US FDA)	http://dailymed.nlm.nih.gov/dailymed/about.cfm
	Structured Product Labeling (SPL)	http://www.fda.gov/ForIndustry/DataStandards/
Omics data (Target/Drug)	NCBI-GEO	http://www.ncbi.nlm.nih.gov/geo/
	Sequence Read Archive (SRA)	http://www.ncbi.nlm.nih.gov/Traces/sra/
	ArrayExpress	http://www.ebi.ac.uk/arrayexpress/
	Cancer Cell Line Encyclopedia (CCLE)	http://www.broadinstitute.org/ccle/home
	Sequence Read Archive (SRA)	http://www.ncbi.nlm.nih.gov/Traces/sra/

2-DG

1. A potential cancer drug repurposed
2. 2-deoxy-D-glucose (2-DG)
3. Developed by INMAS (Institute of Nuclear Medicine and Allied Sciences & DRDO (Defence Research and Development Organization) Lab in collaboration with DRL (Dr. Reddy's Laboratories Limited)
4. Sachet powder (2.34 gm twice daily)
5. Principle of operation: 'Cheat the cheater'
 - I. Any virus, once inside the body, makes its own copies by cheating our human cells and takes their protein to multiply itself. For every doubling of virus cell, it needs energy (glucose).
 - II. After administration of 2-DG into the body, being a pseudo glucose, which the multiplying virus intakes but, this glucose makes it neuter (unable to multiply).
 - III. Thus 'Cheating the cheater' once the rapid multiplication of virus is halted, our own anti bodies can rapidly combat it and overpower within hours

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Pharmaceutical “Quality by Design” (QbD): An Introduction, Process Development and Applications

by

Dr. Vellaian Karuppiah.

Global Head – Manufacturing Science and Technology, Strides Pharma Science Limited, Bangalore

Lecture Delivered during Webinar organized by of IPA, Tamilnadu, on 10th July 2021

Background

1. Definition
2. QbD development process
3. Traditional approach & Enhanced QbD approach
4. Advantages of QbD
5. QbD activities within FDA
6. International Conference on Harmonization. (ICH)

Definition

- The pharmaceutical Quality by Design (QbD) is a systematic approach to development that begins with predefined objectives and emphasizes product and process understanding and process control, based on sound science and quality risk management.
- Quality by Design (QbD) is emerging to enhance the assurance of safe, effective drug supply to the consumer, and also offers promise to significantly improve manufacturing quality performance.

QbD development process

- Begin with a target product profile that describes the use, safety and efficacy of the product
- Define a target product quality profile that will be used by formulators and process engineers as a quantitative surrogate for aspects of clinical safety and efficacy during product development
- Gather relevant prior knowledge about the drug substance, potential excipients and process operations into a knowledge space. Use risk assessment to prioritize knowledge gaps for further investigation
- Design a formulation and identify the critical material (quality) attributes of the final product that must be controlled to meet the target product quality profile.
- Design a manufacturing process to produce a final product having these critical material attributes.

QbD development process

- Identify the critical process parameters and input (raw) material attributes that must be controlled to achieve these critical material attributes of the final product. Use risk assessment to prioritize process parameters and material attributes for experimental verification. Combine prior knowledge with experiments to establish a design space or other representation of process understanding.
- Establish a control strategy for the entire process that may include input material controls, process controls and monitors, design spaces around individual or multiple unit operations, and/or final product tests. The control strategy should encompass expected changes in scale and can be guided by a risk assessment.
- Continually monitor and update the process to assure consistent quality.
- Design of experiments (DOE), risk assessment, and process analytical technology (PAT) are tools that may be used in the QbD process when appropriate. They are not check-box requirements.

Traditional approach & Enhanced QbD approach

Aspects	Current	QbD
Pharmaceutical Development	Empirical, Random, Focus on optimization	Systematic, Multivariate experiments, Focus on control strategy and robustness
Manufacturing Process	Fixed	Adjustable within design space, managed by company's quality systems
Process Control	Some in-process testing	PAT utilized, Process operations tracked and trended
Product Specification	Primary means of quality control, based on batch data	Part of the overall quality control strategy, based on desired product performance
Control Strategy	By testing and inspection	Risk-based control strategy , real-time release possible

Advantages of QbD

1. Benefits for Industry

- I. Better understanding of the process.
- II. Less batch failure.
- III. More efficient and effective control of change.
- IV. Return on investment / cost savings.

2. Additional opportunities:

- I. An enhance QbD approach to pharmaceutical development provides opportunities for more flexible regulatory approaches.

Ex: Manufacturing changes within the approved design space without further regulatory review.

- I. Reduction of post-approval submissions.
- II. Better innovation due to the ability to improve processes without resubmission to the FDA when remaining in the Design Space.

Advantages of QbD

- III. More efficient technology transfer to manufacturing.
- IV. Greater regulator confidence of robust products.
- V. Risk-based approach and identification.
- VI. Innovative process validation approaches.
- VII. Less intense regulatory oversight and less post-approval submissions.
- VIII. For the consumer, greater drug consistency.
- IX. More drug availability and less recall.
- X. Improved yields, lower cost, less investigations, reduced testing, etc.
- XI. Time to market reductions: from 12 to 6 years realized by amongst others.

Advantages of QbD

- XII. First time right: lean assets management.
- XIII. Continuous improvement over the total product life cycle (i.e. controlled, patient guided variability).
- XIV. Absence of design freeze (no variation issues).
- XV. Less validation burden.
- XVI. Real time controls (less batch controls).
- XVII. Realistic risk perceptions.
- XVIII. Contributes substantially to realize the better, cheaper and safer mandate.

QbD activities within FDA

The following activities are guiding the implementation of QbD:

1. In FDA's **Office of New Drug Quality Assessment** (ONDQA), a new risk-based pharmaceutical quality assessment system (PQAS) was established based on the application of product and process understanding.
2. Implementation of a pilot program to allow manufacturers in the **pharmaceutical industry** to submit information for a **new drug application** demonstrating use of QbD principles, product knowledge, and process understanding. In 2006, **Merck & Co.'s Januvia** became the first product approved based upon such an application.
3. Implementation of a Question-based Review (QbR) Process has occurred in **CDER's** Office of Generic Drugs.

QbD activities within FDA

4. CDER's Office of Compliance has played a role in complementing the QbD initiative by optimizing pre-approval inspection processes to evaluate commercial process feasibility and determining if a state of process control is maintained throughout the lifecycle, in accord with the ICH Q10 lifecycle Quality System.
5. First QbD Approval -including design space -for **Biologic License Application** (BLA) is Gazyva(Roche)

While QbD will provide better design predictions, there is also a recognition that industrial scale-up and commercial manufacturing experience provides knowledge about the process and the raw materials used therein. FDA's release of the Process Validation[12] guidance in January 2011 notes the need for companies to continue benefiting from knowledge gained, and continually improve throughout the process lifecycle by making adaptations to assure root causes of manufacturing problems are corrected.

International Conference on Harmonization (ICH)

Working with regulators in the **European Union** (the **European Medicines Agency**) and **Japan**, the **FDA** has furthered quality by design objectives through the **International Conference on Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Use.**

The ICH Guidelines Q8 through Q11 encapsulate these unified recommendations and provide some assistance for manufacturers to implement quality by design into their own operations.

- ICH Guideline Q8 describes QbD-based drug formulation development and was first published in 2004, being subsequently revised in 2008 (Q8(R2)).
- The ICH Guideline Q9 describes Quality Risk Management plans,
- Q10 explains Pharmaceutical Quality Systems, and
- Q11 refer to the development of active pharmacological substances including biologicals.

International Conference on Harmonization (ICH)

- In November 2017, the ICH issued Guideline Q12 for public consultation to extend the recommendations for the Product Lifecycle Management Plan that were initially defined in the Guideline Q10.
- According to the ICH, Guideline Q13 will extend the previous guidelines to accommodate continuous pharmaceutical manufacturing and
- Q2 (Analytical Validation) will be revised and extended into the guideline Q2(R2)/Q14 to include Analytical quality by design or AqBd.

PS 1: The ICH Steering Committee meets twice a year to discuss the progress of its efforts. This practical input should help ensure that quality risk management and knowledge management are used to make lifecycle adaptations that maintain process control and product quality.

PS 2: The difference between QbD for NDA and ANDA products is most apparent at the first step of the process. For an NDA, the target product profile is under development while for the ANDA product the target product profile is well established by the labeling and clinical studies conducted to support the approval of the reference product.

Conclusion

- Ensures robust commercial manufacturing methods for consistent production of quality drugs.
- Ensures the consumers that therapeutic equivalent generics are manufactured every single time.
- Offers the agency that quality applications are submitted to improve the review efficiency and to reduce the application approval times.
- QbD methodology helps in identifying and justifying target product profiles, product and process understanding.
- Helps in continuous improvement.
- There is a need for vigorous and well funded research programs to develop new pharmaceutical manufacturing platforms.



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This issue of Pharma Web is also available online at the Trust website : www.pictrust.com

PHARMACISTS-THE VITAL LINK BETWEEN PRESCRIBERS AND PATIENTS

by

Ms. Shunmuga Sundari.

R, Arulmigu Kalasalingam College of Pharmacy, Srivilliputtur

Note: This article was awarded 2nd prize in the Essay Competition conducted by our Trust

INTRODUCTION:

“Pharmacy is not only about art of medicine and dispensing, It also about care and love for humanity”

The Pharmacists become a crucial element of healthcare team and promotes patients care by interacting with physician and patient. The Pharmacists play a vital role between the Prescriber and the Patients. The aim of this essay is to highlight the role of Pharmacists and their features of interactions between the prescriber and patients.

INTERVENTION WITH PRESCRIBERS:

“A Doctor gives life to the patients through medicines, A Pharmacist gives life to medicines through his knowledge and skills”

As Pharmacists have the precise knowledge about therapeutics and regular interaction with prescribers, they are ideally placed to bridge the gap between patients and physicians. The Physician prescribes medicines and the Pharmacist checks the prescription to ensure rational use of drugs. They check whether there is an indication for the drug, is it the right drug/dose/duration/time. If there is any deviation from these, the pharmacist may interact with the prescriber for correction on prescription. They also provide information about drug interactions, Adverse Drug Reactions etc. to the prescriber if any error spotted.

ROLE WITH PATIENTS:

“Pharmacy is not only profession it is passion to save life”

The Role of Pharmacists with patients is very important. The Handling of prescription should be in a proper manner. Because it may cause an impression on the patient that he/she is surprised or confused after seeing the prescription. Pharmacists are also responsible for proper weighing, compounding, packing and dispensing of the appropriate medication. They also should instruct the patients with right direction for the use of drugs. They should provide information about the use of medical devices like inhaler, insulin pen, eye drops, nasal sprays etc.

PATIENT COUNSELLOR:

“The Skill to heal; The Spirit to care”

Patient counseling includes what drugs and foods may interact with prescribed medications. The Pharmacist also asks patients about their recent drug or food intake when medications that are known to have drug/food interactions receive dosage increases to assess for true therapeutic dosage failure. Pharmacists point out and highlight these interactions in the patient information leaflets as well as verbalize any major interactions providing a brief explanation as to why this interaction is important to avoid.

PHARMACIST-AN EDUCATOR:

“Do all the good you can; To all the people you can; As long as ever you can”

The Pharmacist educates the patient on the number of times the medication should be taken, what time of the day the medication should be taken. The Time interval between doses, and the appropriate amount to take at each dosing interval. Some countries have set up text messaging or an SMS service that the pharmacist can help set up with the patient to remind them when to take their medication. This helps with compliance, understanding of the patient to follow and to assess progress. When patients come back for repeats on medications, the pharmacist can also check to see if the medication is being used correctly in terms of compliance, the number of days between the last fill and pharmaceutical device use, if applicable.

CONFIDENTIALITY MAINTAINER:

“Confidentiality is a delicate bargain of trust”

The Pharmacy profession has a long history of safeguarding the confidentiality of personal health information as a vital component of their professional relationship with patients-by law PERSONAL HEALTH INFORMATION ACT. Customers expect pharmacists and their staff to protect and respect their confidentiality, which includes information about their personal details and medication, as well as any illnesses they may seek advice on. The Patient confidentiality is also vital because the relationship between patients and the pharmacy profession is built on trust. If that bond of trust is broken, it undermines the personal and professional relationship with that patient and also the profession.

CURTAILOR OF THE PRICES:

“Caring beyond prescriptions”

With their unique knowledge of medicines, pharmacists are central figures in decreasing healthcare expenditure through cost savings on medicines and cost avoidance. Cost savings allude to reductions in current spending due to changes in the expense on a patient's treatment, Ex: switching from intravenous to oral therapy where appropriate. In contrast, cost avoidance refers to an intervention that reduces potential future spending that may have occurred without the intervention. An Example of this would be a pharmacist suggesting the discontinuation of a potentially inappropriate medicine in an elderly patient which could result in a future ADE, hence reducing the potential cost of a general practitioner (GP) referral or hospital admission, as well as eliminating the actual cost of the medicine. Over an extended period of time, limiting costs through cost avoidance measures can result in significant cost savings.

EXPANDING THE ROLE OF PHARMACISTS:

The Role of pharmacist in public health has been transforming and expanding in recent years. Aside from the ability to independently prescribe basic medications in a community pharmacy setting, for many years pharmacists have been able to work in tandem with physicians through what's known as Collaborative Practice Agreements (CPAs), where pharmacists are involved in the provision of expanded direct patient care through comprehensive disease management. The pharmacists in these settings include performing patient assessment activities, ordering and interpreting laboratory tests, developing therapeutic plans and ultimately utilizing prescriptive authorities to initiate, adjust or discontinue drug treatment.

As of 2011, CPAs between physicians and pharmacists were authorized by 44 state pharmacy boards including Massachusetts. In a survey of prescribers who had worked collaboratively with pharmacists through these types of agreements, 96% of physicians who responded reported numerous benefits, including disease management.

CONCLUSION:

“Without Pharmacist, there is no drug discovery”

The Future role of pharmacy is to assert itself amongst the other healthcare disciplines as a critically important profession needed to reduce errors made in the medication use system; to bring about change and make the appropriate interventions where pharmacy has yet to make an impact on and to continue to be the most trusted healthcare profession as viewed by the public by expanding the clinical role of pharmacists.



INFORMATION

M.PHARM & PHARM D SCHOLARSHIPS 2020-21 AWARDED BY TNPSW TRUST

Profile of 2nd Rank

PHARMACEUTICS

Name: Ms. Manisha. P
Project Title: Brain delivery of Nanostructured lipid carrier containing COX2 inhibitor – Phospholipid Conjugate: A Repurposing strategy to Control Epilepsy through Seizure activated system
College: JSS College of Pharmacy, Ooty
Guide's Name: Dr. N. Jawahar

PHARMACEUTICAL CHEMISTRY

Name: Mr. Akey Krishna Swaroop
Project Title: Dual modulation of IL-6 pathway by selected flavonoid-metal complexes as immune boosters for SARS-COVID-2 therapy
College: JSS College of Pharmacy, Ooty
Guide's Name: Dr. S. Jubie

PHARMACEUTICAL ANALYSIS

Name: Mr. R. Mohanraj
Project Title: QbD Driven Method Development and Validation for Simultaneous Estimation of Bilastine and Montelukast sodium in FDC tablet by RP-HPLC method.
College: Adiparasakthi College of Pharmacy, Melmaruvathur
Guide's Name: Dr. A.S.K. Sankar

PHARMACOLOGY

Name: Mr. Surjith Kanna. K.S
Project Title: Computer aided drug design to identify lead molecules to target RNA dependent RNA polymerase and main protease of corona virusus that caused SARS, MERS and COVID-19 diseases..
College: JSS College of Pharmacy, Ooty
Guide's Name: Dr. Divakar. S

PHARMACOGNOSY

Name: Mr. Ajith. N. P
Project Title: Development and Standardization of Polyherbal Antidiabetic capsules
College: COP, Madras Medical College, Chennai
Guide's Name: Dr. P. Muthusamy

PHARMACY PRACTICE

Name: Ms. Shaik Fariya
Project Title: Pharmaceutical care and its outcome to geriatric cancer patients in a medical oncology unit of a Tertiary care hospital.
College: Sri Ramachandra Faculty of Pharmacy, Sri Ramachandra Institute of Higher Education and Research (SRIHER)
Guide's Name: Dr. M. G. Rajanandh

PHARM D

Name: Ms. R. Oviya
Project Title: A Comparative study on disposable and reusable sanitary napkin among female in and around places.
College: J.K.K. Nattraja College of Pharmacy, Komarapalayam
Guide's Name: Dr. R. Kameswaran





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EVENTS

Donation to Tamilnadu Chief Minister's Relief Fund (COVID)

It was decided by the members of Tamilnadu Pharmaceutical Sciences Welfare trust, to contribute to Tamilnadu Chief Ministers Relief Fund to control the present pandemic situation and also control the corona spreading in our State. The appeal was sent to all the trustees for their voluntary contribution.

We have received very good response from the members.

In the meeting of Governing Body held on 24th May 2021, it was decided to contribute from the trust to the tune of Rs. 3 lakhs, along with the contribution from TANIPA Trust an amount of 2 lakhs. The final amount as a whole would be 15 lakhs.

The above said amount was handed over to the Chief Minister on 9th June 2021, by our chairman Mr. S. V. Veerramnai, Secretary, Mr. J. Jayaseelan, and Mr. T. Sathish along with the members of IDMA, PMA.

All the members appreciated and thanked donors of Trustees and the names of the donors are as follows

Mr. A.M. Sulaiman	—	Rs. 2,00,000/-
Mr. J. Jayaseelan	—	Rs. 1,04,000/-
Mr. S. V. Veerramani	—	Rs. 1,00,000/-
Mr. R. Narayanaswamy	—	Rs. 1,00,000/-
Dr. B. Suresh	—	Rs. 1,00,000/-
Mr. M. Sardarmalchordia	—	Rs. 1,00,000/-
Mrs. Pratima Mathur	—	Rs. 50,000/-
Mr. Rajesh H Bhandari	—	Rs. 50,000/-
Mr. Ashwini Kumar	—	Rs. 31,000/-
Mr. R. Thiruvengadam	—	Rs. 25,000/-
Dr. V. Ravichandiran	—	Rs. 20,000/-
Mr. N. Sreenivasen	—	Rs. 10,001/-
Dr. B. Jayakar	—	Rs. 10,000/-
Mr. K. Prafulla Chandra	—	Rs. 10,000/-
Prof. K. Chinnaswamy,	—	Rs. 10,000/-
Dr. T. K. Ravi.	—	Rs. 10,000/-
Dr. S. Manivannan	—	Rs. 10,000/-
Dr. R. Ilavarasan	—	Rs. 10,000/-
Mr. G. Anandaselvam	—	Rs. 10,000/-
Mr. K. Mohan	—	Rs. 10,000/-
Mr. K. Pandiyan	—	Rs. 10,000/-
Mr. M. Kannan	—	Rs. 10,000/-

Mr. C. V. Ramiah	–	Rs 10,000/-
Mr. L. V. Sathyanarayanan	–	Rs. 5,000/-
TNPSW Trust contribution	–	Rs.2,94,999/-
TANIPA Trust contribution	–	Rs.2,00,000/-



NOTIFICATION

**File No. 4-01/2013-DC (Misc. 13-PSC((Pt. III)
Govt. of India
Directorate General of Health Services
Central Drugs Standard Control Organization
(FDC Division)**

**To,
All State/UT Drug Controllers**

Dated :03 AUG 2020

Subject: Procedure to be followed for subsequent applicant in respect of FDCs relating to Vitamins, Minerals and Micronutrients declared as rational by Prof. Kokate Committee and approved by DCG(I) regarding.

Sir,

Please refer to this directorate's letter of even numbered dated 12.12.2018 and 08.01.2020 where by all the state Licensing Authorities were requested to ask the concerned manufactures to follow the procedure as mentioned in the said letter for obtaining manufacturing licenses directly from SLAs. The list of such rational FDCs containing 1681 FDCs and 450 FDCs were already forwarded with the said letter to the State Licensing Authorities.

In contribution to the said letter, it may be noted that apart from these 1681 FDCs and 450 FDCs, further there are now more 471 FDCs (attached as **Annexure-A**) relating to Vitamins, Minerals and Micronutrients, etc., which have been declared as rational by Prof. Kokate Committee and report of the committee has been accepted by the Ministry.

Accordingly with the approval of the Ministry of Health and Family Welfare, it has been now decided to follow the following pathway for grant of product licenses by SLAs for these FDCs:-

1. Applicants shall submit the requisite fees preferably through Bharatkosh for each FDC to CDSCO as specified under Drugs and Cosmetic Act 1940 and existing Rules thereunder.
2. The applicant shall submit application to the concerned SLA as per the provisions of Drugs and Cosmetics Rules 1945 for grant of product manufacturing license giving the details of FDC. S. No. of the FDC in the list, Stability studies data (6months accelerated), Test Specification of the FDC along with Method of Analysis as well as label and other documents as required for grant of product license under Drug and Cosmetics Rules.

3. State Licensing Authority shall grant the product license of such FDCs without seeking NOC from DCG(I), if other conditions of license under the Drugs and Cosmetics Rules, which need to be verified by SLA, are found to have been fulfilled, The SLAs shall verify the quality of such FDCs of each applicant/manufacture, before grant of License.
4. Every manufacturer permitted to manufacture these FDCs shall submit the periodic safety update reports (PSURs) as per New Drug and Clinical Trial Rules-2019 to the central Licensing Authority as defined in Rule '3' i.e. DCG(I). Failure to submit the PSURs shall be considered as contravention of these Rules.

In view of above, you are requested to ask the concerned stakeholders to follow the above procedures for obtaining the manufacturing license w.r.t. FDCs declared as rational by Prof. Kokate Committee. You are therefore request to ensure that no product license is granted in respect of the FDCs which are not mentioned in the attached list.

Yours faithfully



(Dr. V. G. Somani)
Drugs Controller General (India)

Copy to:-

1. PPS to secretary/AS(F&D)/JS(R), Ministry of Health and Family Welfare, Nirman Bhawan, New Delhi
2. All Zonal/Sub Zonal offices of CDSCO
3. Indian Drug / Pharmaceuticals Association Forum
4. Website of CDSCO



ANNEXURE-A
List of FDCs (under category c) considered for continued manufacturing and marketing under 18 months policy decision

S.No	Name of FDC	Strength	Dosage Form
1	Protein hydrolase+ carbohydrate+ niacinamide+ iron choline citrate+ magnesium chloride + manganese chloride+ zinc sulphate+ L- Lysine mono hydrate	0.333gm+ 3 gm+ 15mg+15 mg+ 3.333 mg+.033mg + .600 mg+ 20.00 mg	syrup (Source of Protein Hydrolysate should be mentioned on the label)
2	Proteine Hydrolystate+Niacinamide IP+Iron Choline Citrate USP + Magnesium Chloride IP+Magnesium Chloride USP+Zinc Sulphate IP+L-Lysine Monohydrochloride USP	333mg+10mg+15mg+3.33mg + 0.033mg + 2.7mg + 20mg per 5ml	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
3	Folic Acid+Cyanacobalamin+Vitamin B6+Chromium Picolinate + Selenium + Zinc Sulfate Monohydrate+Manganese Sulfate+Light Magnesium Oxide + Lycopene+Omega 3-Marine Triglycerides providing Eicosapentaenoic acid + Docosahexaenoic acid + Alpha Lipoic acid	1.5 mg+ 15 mcg+ 3.0 mg+ 250 mcg + 55 mcg+ 15 mg + 2 mg+ 40 mg + 5 mg+ 90.0 mg+ 60 mg + 100 mg	soft gelatin capsules
4	Calcium carbonate1250mg from an organic source (Oyster shell) eq to elemental Calcium+Vitamin D3 + Magnesium + Manganese+Zinc+Copper+Boron	500mg + 250IU +40mg+1.8mg+7.5 mg + 1.0mg +250mcg	Tablets
5	Lutein %+Zeaxanthin+Astaxanthin5%+DHA Rich algal oil+L-Glutathione	7mg+250mcg+ 7mg+150mg+5 mg	Soft Gelatin Capsule
6	Lutein 20%+Zeaxanthin+Omega 3 fatty acid 65%+EPA+DHA+Lycoene10%+Astaxanthin	5mg+1mg+500mg+ 325mg+175mg+ 6mg+2mg	Soft Gelatin Capsule
7	Calcium carbonate + calcitriol+ vitaminK2-7 + zinc sulphate eq to zinc+ magnesium sulphate eq to magnesium	500 mg+ .25 mcg+50 mcg+ 7.5 mg + 50 mg	tablets
8	Alfacalcidol+ microcrystalline hydroxyapatite complex + phosphorus + magnesium	0.25 mcg+ 125 mg+ 55 mg+50 mg	soft gelatin capsules for oral administration
9	Omega 3 fatty acid + eicosapentanoic acid + docosahexanoic acid+ alpha lipoic acid + lycopene	300 mg+ 90 mg+ 60 mg+ 100mg+ 2000mcg	soft gelatin capsules for oral administration
10	Lycopene (10%) + betacarotene (30%) + selenium + zinc sulphate+ copper sulphate + alpha lipoic acid+ alpha tocopheryl acetate	5 mg+ 10mg+ 75 mcg+27.45mg+ 1mg+50 mg+ 10 IU	soft gelatin capsules

S.No	Name of FDC	Strength	Dosage Form
11	Folic acid + cyanocobalamin+ vitamin B6+ chromium picolinate+ selenious acid+ zinc sulphate+ manganese sulphate+light magnesium oxide+ lycopene (10%) + eicosapentaenoic acid + docosahexanoic acid+ alpha lipoic acid	1.5 mg+ 15 mcg + 3.0 mg+250 mcg+ 55 mcg+ 15 mg+ 2mg+ 40 mg + 5 mg+ 90.0 mg+60 mg + 100 mg	soft gelatin capsules
12	L- arginine + betacarotene (as 30% dispersion) + lycopene 6%+ zinc oxide + lutein 8 % + copper (as Copper sulphate)+ manganese (as Manganese sulphate) + methylcobalamin +selenious acid	25 mg+ 6 mg+ 10 mg+ 7.5 mg +7mg +1.0 mg+ 1.0 mg+ 500 mcg + 100 mcg	soft gelatin capsules
13	Mixed carotenoids 30 % oily suspension + alpha lipoic acid + zinc sulphate monohydrate + selenium dioxide+ manganese sulphate monohydrate+ cupric sulphate+ lycopene+ chromium nicotinate+ Eicosapentaenoic acid+ docosahexanoic acid	10 mg+ 50 mg + 7.5 mg+ 150 mg+ 3 mg+ 1 mg+ 5 mg+ 200 mcg+ 45 mg+ 30 mg	Soft Gelatin Capsule
14	Calcitriol + calcium citrate+ magnesium oxide+ zinc oxide	0.25 mcg+ 425 mg+40 mg+ 20 mg	Soft Gelatin Capsule
15	L-carnitine+ ubiquinol+ L- arginine+ lycopene+ zinc sulphate monohydrate	500 mg + 30 mg+ 50 mg+ 2500 mcg+ 12.5 mg	film coated tablet
16	Lycopene powder + L-carnitine+ zinc sulphate monohydrate	2mg+ 500 mg+ 27.45 mg	tablets
17	Vitamin B1 + VitaminB6 + VitaminB 12 + niacinamide + D-pantenol+ benzyl alcohol IP	100 mg+ 50 mg + 1000 mcg+ 100 mg + 50 mg+ 0.9% v/v per 2ml	injection
18	N-Acetylcysteine+Astaxanthin+chromium picolinate+Alfacalcidol+magnesium+L- Arginine+zinc sulphate monohydrate + Selenium dioxide+potassium iodide +D-chiro-Inositol+Folic acid+Pyridoxine HCL +Cyanocobalamin+Carbonyl Iron + Paraaminobenzoic acid+Biotin	600mg+8mg+500mcg+0.5mcg+25mg+10mg+10mg+100mcg+50mcg+10mg +1.5mg+1.5mg+5mcg+9 mg+12.5mg+1mg	Tablet (The content of elemental chromium should be less than 200 mcg)
19	Omega 3 fatty acid + alpha lipoic acid + chromium + folic acid +pyridoxine hydrochloride+ zinc sulphate monohydrate equivalent to zinc+ manganese sulphate monohydrate + light magnesium oxide eq. to elemental magnesium+ selenium (as Selenium Dioxide Monohydrate)	300 mg+ 100 mg+ 100 mcg+1.5 mg+ 3 mg+ 15 mg+ 2 mg + 40 mg+ 40 mcg	capsules

S.No	Name of FDC	Strength	Dosage Form
20	Natural calcitriol + calcium carbonate+ omega 3 fatty acid+ magnesium oxide +zinc oxide+ sodium meta borate as boron	0.25 mcg + 200mg+ 150 mg +30 mg+ 7.5 mg+ 250 mcg	soft gelatin capsules
21	Pyridoxine HCL+ niacinamide + thiamine HCL+calcium pantothenate+ ascorbic acid+ methionine	9mg+ 22.5 mg+ 2.75 mg+ 2.5 mg + 37.5 mg+ 2 mg	syrup
22	Lecithin+Vitamin D3+Lycopene+Lutein	600mg+600 IU +5000mcg+5mg	film coated Chewable tablet
23	Potassium Citrate IP+Magnesium Citrate USP+Pyridoxine HCL IP	100mg+375mg+ 20mg per 5ml	Oral Liquid
24	1.250gm of Calcium Carbonate IP+Vitamin D3 IP+Magnesium Hydroxide IP+Zinc Sulphate monohydrate USP	500mg+200 IU +100mg+4mg/7.5mg	Tablets
25	L-Lysine HCl USP+L-Threonine USP+L-Methionine USP+L-Tryptophan USP+L-Leucine USP+L-Isoleucine USP+L-Phenylalanine USP+L-Valine USP+L-Arginine HCl USP+L-Histidine HCL, H2O+Glycine USP+Sorbitol IP	2mg+ 500 mg+ 27.45 mg	Tablets
26	Folic Acid IP+Cyanocobalamin IP+Vitamin B6 IP+Chromium Picolinate USP +Selenium + Zinc+Manganese+Magnesium+ Lycopene (10%) +Flax Seed Oil+Alpha Lipoic Acid USP	1.5mg+15mcg+3mg+ 250mcg+55mcg+15mg+2mg+ 40mg + 5mg+200mg+100 mg	Capsules
27	Alpha Lipoic acid+Chromium+Pyridoxine HCl+Zinc Sulphate Monohydrate+ Manganese+Light Magnesium Oxide+Selenium+Copper+Folic Acid	100mg+200mcg+ 3mg+15mg+ 2mg + 40mg+150mcg+1mg+ 1.5mg	Soft Gelatin Capsules
28	Benfotiamine+Mecobalamin+Pyridoxine HCl+Biotin+Folic Acid+Sodium Selenite Pentahydrate+Zinc Sulphate Monohydrate +Cupric Oxide+Manganese Chloride+ Chromium Chloride+Calcium Carbonate +Magnesium Chloride+Potassium Iodide+Beta Carotene 20% +Lycopene 10% + Ferrous Fumarate+Taurine+Choline Bitartrate+Sodium Molybdate Dihydrate+Niacinamide+Vitamin D3	25mg+500mcg+3mg+ 30mcg+1mg+60mcg+ 15mg+2.5mg+1.4mg+ 65mcg+162mg+15mg +150mcg+10mg+100 0mcg+33.3mg+7.2mg +30mcg+30mcg+ 50mg+200 IU	Film Coated Tablets
29	Alpha lipoic Acid IP+Co enzyme Q10+ Niacinamide IP+Zinc Sulphate Monohydrate IP+Seleno Methionine USP	100mg+100mg+750m cg+54.93mg+500mcg	Film coated Tablets

S.No	Name of FDC	Strength	Dosage Form
30	Folic acid + Cynocobalamin + Nicotinamide + Benzyl Alcohol+Phenol	15mg+500mcg+200mg+2.5%v/v+0.5%w/v	Injection
31	Calcium citrate+Calcitriol+Magnesium Hydroxide+Zinc sulphate	200mg+0.25mcg+100mg+7.5mg	Tablet
32	Vitamin A + vitamin E+ vitamin C + vitamin B2	5000 IU + 25 IU+ 100 mg + 10mg	capsules
33	Ginseng + lycopene+ benfothiamine+ pyridoxine HCL+ cyanocobalamine + zinc sulphate monohydrate+ wheat germ oil+ chromium piclonate + selenium dioxide	42.5 mg+ 2000mcg + 5 mg+ 3 mg + 15 mcg+ 20 mg + 25 mg+ 50 mcg+ 50 mcg	soft gelatin capsules
34	Soya isoflavones + lycopene+ gamma linolenic acid + calcitriol	60 mg+ 10 mg+ 45 mg+ 0.25 mcg	soft gelatin capsules
35	Lycopene + ubidecarenone + zinc sulphate monohydrate + selenium dioxide monohydrate + folic acid + L-arginine	5000 mcg+ 100 mg + 62.5 mg+ 100 mcg + 1.5 mg+ 100mg	soft gelatin capsules
36	Calcium phosphate + phosphorus + magnesium hydroxide + zinc gluconate + vitamin D3	300 mg+ 150 mg + 75 mg+ 4 mg+200IU per 10ml	suspension
37	Calcium citrate maleate + vitamin D3 + magnesium sulphate + zinc sulphate	1250 mg+ 1000 IU+ 100 mg+ 7.5 mg	film coated tablet
38	10 % lycopene+ co enzyme Q 10 + zinc sulphate+selenium selenite+ folic acid + L-arginine	3000mcg+ 50 mg +62.5mcg+ 100mcg+ 1.5 mg+ 100 mg	film coated tablet
39	Lycopene + mecobalamin	2000mcg+ 500 mcg	capsules
40	1250mg of Calcium Carbonate from Organic sourceeq. to elemental Calcium+Vitamin D3 IP+Magnesium Oxide+Manganese Sulphate+Zinc Sulphate+Copper sulphate+Boron	500mg+250 IU +40mg+ 1.8mg+7.5mg+ 1.0mg+250mcg	Tablets
41	Calcitriol USP+Calcium orotate+Calcium Aspartate+Folic Acid IP+Hydroxycobalmin USP+Magnesium Hydroxide IP+Zinc	0.25mcg+500mg+500 mg+1.5mg+ 50mcg+ 50mg+ 7.5mg	Film coated tablet
42	Creatine Monohydrate+Magnesium Orotate+LCarnitine L-tartate eq. to L-carnitine+Ubidecarenone BP	500mg+100mg+ 150mg+10mg	Film Coated Tablets

S.No	Name of FDC	Strength	Dosage Form
43	Ubidecarenone+Astaxanthin+L-Arginine +magnesium Hydroxide+Piperine	300mg+8mg+50mg+25mg+5 mg	hard gelatin capsules
44	Lycopene USP 10% & 6%+Zinc Sulphate Monohydrate USP+Folic Acid IP+Selenium Dioxide Monohydrate USP+Ubidecarenone BP+L-Arginine IP	3000mcg+62.5mg+1.5mg+ 100mcg+ 50mg+100mg	soft gelatin capsules
45	Lutein USP+Lycopene USP+Astaxanthin	3.2mg+2mg+2mg	Tablets
46	Ubidecarenone BP+Lycopene 10%+Selenium	30mg+2000mcg+ 50mcg	Capsules
47	Lycopene USP+Beta Carotene+ Cyanocobalamin IP+Pyridoxine HCl IP+Niacinamide IP+Folic Acid IP+Zinc Citrate+Copper Lysinate+Seleniomethionine USP+Chromium Polynicotinate+manganese Citrate	2000mcg+30mg+ 5mcg+3mg+100mg+1.5 mg+15mg+2.5mg +60mg+65mg+1.4mg	Film Coated Tablets (The content of elemental chromium should be less than 200 mcg)
48	Methylcobalamin+Benfothiamine+LMethylfolate + Alpha Lipoic Acid+Zinc Sulphate Monohydrate+Manganese Chloride+Chromium Chloride+Calcium Carbonate+Magnesium Chloride+Potassium Iodide+Sodium Molybdate+ Choline Chloride	1000mcg+100mg+ 300mg+ 100mg+ 15mg+1.4mg+ 65mcg+162mg+15mg+1 50mcg+25mcg+ 30mcg	Tablets
49	Calcium Phosphate eq. to elemental Calcium + elemental phosphorous+Magnesium Hydroxide IP +Zinc Gluconate USP+Vitamin D3 IP	150mg+75mg+37.5mg+2 mg+ 100 IU and 300mg+150mg+75mg+4 mg+200 IU	Syrup
50	Lycopene+Ubidecarenone USP+Zinc Sulphate Monohydrate USP+Selenium dioxide Monohydrate USP+Folic Acid IP+L-Arginine BP	3000mcg+50mg+62.5mg +100mcg+1.5mg+100mg	soft gelatin capsules
51	Calcium Carbonate IP+Magnesium Hydroxide IP+Zinc Gluconate USP+Vitamin D3 IP	250mg+75mg+2mg+200 IU	Suspension
52	Vitamin A (As Palmitate)+ vitamin E + vitamin D3 +vitamin B1+ vitamin B2 -5-Phosphate + vitamin B6 +vitamin B12+ D-panthanol+ niacinamide+ L-lysine mono HCL+ potassium iodide+ copper sulphate + zinc sulphate	1250 IU+ 2.5 mg+ 100 IU+0.75 mg+ 0.75 mg +0.5 mg+0.5 mcg+ 1.25 mg+ 7.5 mg+ 5mg+ 50 mcg+ 100 mcg+ 22.2 mg	syrup

S.No	Name of FDC	Strength	Dosage Form
53	Calcium citrate malate eq.to elemental calcium+ calcitriol+ magnesium hydroxide eq.to elemental magnesium + zinc sulphate monohydrate eq.to elemental zinc+ copper sulphate+ manganese sulphate + sodium borate+ ferrous sulphate + cynocobalamin+ folic acid + sodium selenate+ Llysine hydrochloride	1100 mg eq.to 250 mg+0.25 mg+240mg eq.to 100 mg+ 11 mg eq.to 4 mg+ 0.5 mg+ 0.9mg+ 1 mg+ 4 mg+ 5 mcg+ 1 mg +35 mcg+ 25 mg	tablets
54	Etamsylate+ citrus bioflavonoid + menadione + tribasic calcium phosphate	500mg+ 150 mg+ 20 mcg+ 144 mg	film coated tablet
55	Calcium citrate maleate + vitamin D3 + magnesium hydroxide + zinc sulphate	250 mg + 200 IU + 100 mg+ 4mg	film coated tablet
56	Calcium carbonate+ magnesium oxide +zinc sulphate mono hydrate + L-lysine hydrochloride + pyridoxine HCL + cholecalciferol	1000 mg eq to 400 mg+ 150 mg eq 90 mg+ 13.75 mg eq 5mg+ 100 mg + 1.5 mg+ 200 IU	tablet
57	Mecobalamin+ pyridoxine HCL + biotin+ folic acid + niacinamide + vitamin D3+ beta carotene + lycopene +sodium selenite pentahydrate + ferrous fumarate +magnesium chloride + cupric oxide + chromiumchloride + zinc sulphate monohydrate + magnesium chloride + potassium iodide + sodium molybdate dihydrate + taurine + choline bitartrate	100 mcg+ 3 mg+ 30 mcg+ 1mg+ 25 mg + 200 IU + 5mg+ 500 mcg+ 60 mcg+ 33.3 mg + 1.4 mg+ 2.5 mg + 65mcg+ 15 mg + 15 mg + 150mcg+ 30 mcg + 7.2 mg + 30mcg	film coated tablet
58	Lycopene + beta carotene + mecobalamin + pyridoxine HCL+ niacinamide + folic acid + zinc citrate + copper lysinate + seleniomethionine + chromium polynicotinate + magnesium citrate	2000 mcg + 30 mg + 1500mcg+ 3 mg+ 100 mg + 1.5mg+ 15 mg + 2.5 mg + 60 mg + 65 mg+ 1.4 mg	tablet
59	Vitamin C + menadione + ferrous gluconate + tri basic calcium phosphate	150 mg + 0.66 mg+ 67 mg+ 144.43 mg	capsules
60	Protein Hydrolysate+DL-methionine+L-Lysine monohydrochloride+Ferroglycine sulphate+ VitaminB1+vitamin B2+Vitamin B6+ vitamin B12+Niacinamide+zinc sulphate+Magnesium Hydrochloride+magnesium chloride	1.67gm+8mg+8mg+40 mg+1mg+0.5mg+0.5mg +0.5mg+10mg+7mg+3.5mg+30mcg per 5ml	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
61	Green tea extract+carotenoids (10%)+ Ubedecarenone+L-Seleno methionine+Zinc methionine+calcitriol+mecobalamin+chromium Polynicotinate+L-methyltetrahydrofolate calcium+pyridoxamine dihydrochloride	20mg+11.33mg+30mg+ 50mcg+25mg+0.25mcg +1500mcg+200mcg+50 0mcg+25mg	Tablet

S.No	Name of FDC	Strength	Dosage Form
62	Calcitriol+calcium carbonate+vitamin K2-7+ methylcobalamin+ zinc+ magnesium+ L-Methyl folate	0.25mcg+1250mg+ 45mcg+1500mcg+ 7.5mcg+50mg+800mcg	Capsule
63	Vitamin A concentration+Cholecalciferol+ thiamine mononitrate+ riboflavin+Pyridoxine HCL+calcium pantothenate+ niacinamide+ ascorbic acid+folic acid	2500IU+200IU+2mg+2 mg+0.5mg+1mg+25mg +50mg+0.2mg	Film coated tablet and sugar coated tablet
64	Thiamine HCl IP+Riboflavin Sodium Phosphate IP+Niacinamide IP+Pyridoxine HCl + Choline +Cyanocobalamin IP+Crude liver extract (vitamin B12 not less than) +Phenol IP	25mg+1.5mg+50mg+ 5mg +25mg + 50mcg + 2mcg+ 0.5%per ml	Injection
65	Thiamine HCl IP+Vitamin B2 IP+Pyridoxine Hcl IP+Vitamin B12 IP+Niacinamide IP + D-Panthenol IP+Biotin BP+Choline Chloride USP+Lysine Hcl USP+Benzyl Alcohol IP	100mg+5mg+7mg+ 100mcg+25mg+25mg+ 10mcg+50mg+50 mg+3%w/v per ml	Injection
66	Vitamin A IP+Vitamin D3 IP+Niacinamide IP+ThiamineHcl IP+Pyridoxine HCl IP + Riboflavin sodium Phosphate IP + Cyanocobalamin IP+ Biotin BP+DPanthenolIP+Choline Chloride USP+Alpha Tocopheryl Acetate IP+Sodium Acid Phosphate	1000 IU+500IU + 10mg+10mg+5mg+5mg +10mcg+10mcg+1mg+5 mg+5mg+10mg per ml	Injection
67	Protein Hydrolysate eq. to 53.28mg of Nitrogen+ Vitamin B6 IP+Niacinamide IP+ D-Pantherol + Iron Choline Citrate+ Zinc+ Magnesium Hydrochloride + Manganese Chloride USP	333mg+0.75mg+22.5m g+ 2.5mg + 15mg +2.66mg +3.33mg+ 0.03mg per 5ml	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
68	1.25g Calcium Carbonate from an organic source (Oyster Shell) eq. to elemental Calcium+Vitamin D3 IP+Magnesium Oxide IP+Isoflavones	500mg+250 IU+90mg+50mg	Film Coated Tablets
69	Beta carotene+Lycopene+Pyridoxine HCl+Vitamin D3+Mecobalamin+Niacinamide+Folic Acid+Zinc Sulphate+Chromic Chloride+Cupric Oxide+Manganese Chloride+Sodium Selenite+Di Basic Calcium Phosphate+Dried Ferrous Sulphate+Biotin+L-Carnitine L-Tartrate	10mg+2000mcg+3mg+ 400IU+500mcg+50mg+ 1mg+15mg+65mcg+2.5 mg+1.4mg+60mcg+162 mg+33.3mg+30mcg+50 mg	Tablets
70	Lycopene+Niacinamide+Pyridoxine HCl+Cyanocobalamin+Folic Acid+Selelnium+Zinc+Manganese+Iodine+Copper	2000mcg+25mg+1.5mg +1mcg+100mcg+35mcg +3mg+2mg+100mcg+ 500mcg per 10ml	Oral Liquid

S.No	Name of FDC	Strength	Dosage Form
71	Ferric Ammonium Citrate+ Cyanocobalamine+Folic Acid+Pyridoxine HCl+Magnesium Sulphate+Copper Sulphate	150mg+5mcg+0.75mg+ 1.5mg+0.2mg+0.1mg per 5ml	Syrup
72	Riboflavin+Folic Acid+Niacinamide+Lactic Acid Bacillus	10mg+1.5mg+100mg+ 60million spores	Tablets
73	Calcium Citrate+Vitamin D3+Magnesium Hydroxide+Zinc Sulphate	250mg+200IU+25mg+ 5mg and 1000mg+ 250IU+100mg+8mg	Chewable Tablets
74	Riboflavin+Vitamin B12+Folic Acid+Niacinamide+Lactic Acid Bacillus	2.5mg+2mcg+100mcg+ 15mg+40 million spores	Tablets
75	Lactic Acid bacillus+ Riboflavin+ Nicotinamide+ Folic Acid+Vitamin B12+Vitamin C	40 million spores+ 2.5mg+15mg+100mcg+ 2mcg+40mg	Dry powder for syrup
76	Lycopene+Mix Carotene+Refined Wheat germ oil+Selenium Dioxide monohydrate+ Zinc Sulphate monohydrate	5000mcg+10.33mg+ 25mg+75 mcg+ 27.45mg	Capsule (Label should clearly specify the quantity of Beta carotene available in mixed carotenoids)
77	Protein Hydrolysate+Pyridoxine Hcl+ Niacinamide+Iron Choline Citrate+ Magnesium Chloride+Manganese chloride + Zinc Sulphate+Lysine Hydrochloride	333.0mg+0.5mg+15.0mg +15.0mg+3.333mg+0.033 mg+0.6mg+20.0mg per 5ml	syrup (Source of Protein Hydrolysate should be mentioned on the label)
78	Protein Hydrolysate 20%+Pyridoxine HCl+Niacinamide+Iron Choline Citrate+ Magnesium Chloride+ Manganese Chloride+Zinc Sulphate+Lysine Hydrochloride	333.0mg+0.5mg+15.0mg +15.0mg+3.333mg+0.033 mg+0.6 mg+20.0mg per 5ml	Liquid oral (Source of Protein Hydrolysate should be mentioned on the label)
79	Protein Hydrolysate 20%+Pyridoxine HCl+Niacinamide+Iron Choline Citrate+ Magnesium Chloride+ Manganese Chloride+Zinc Sulphate+Lysine Hydrochloride	333.0mg+0.5mg+15.0mg +15.0mg+3.333mg+0.033 mg+0.6mg+20.0mg per 5ml	Liquid oral (Source of Protein Hydrolysate should be mentioned on the label)
80	Calcium Aspartate+Calcium Orotate+ Calcitriol+Zinc+Magnesium Hydroxide IP+Hydroxycobalamin USP+Folic Acid IP	500mg+500mg+0.25mcg+ 7.5mg+50mg+ 100mcg / 50mcg+1.5mg	Film Coated Tablets

S.No	Name of FDC	Strength	Dosage Form
81	Benfotiamine+Ubidecarenone BP+Lycopene 10% USP+L-Arginine IP+N-Acetylcysteine USP+Sodium Selenite BP+Zinc Sulphate Monohydrate IP+Piperine	50mg+100mg+5000mcg +100mg+100mg+70mcg +61.8mg+ 5mg	Hard Geletin Capsules
82	Cholecalciferol IP+Pyridoxine HCl IP+ Niacinamide IP+Cyanocobalamin IP+Zinc+ Beta-Carotene dispersion+manganese Chloride tetrahydrate USP+Molybdenum+ Selenium+Lysine Hcl USP+Iodine+Biotin USP+Chromium+Inositol USNF	200 IU+1mg+ 15mg+ 1mcg+3mg+38mg+ 0.8mg+8mcg+10mcg+ 30mg+50mcg+10mcg+1 0mcg+10mg	Oral Liquid
83	L-Carnitine L-Tartrate USP+Co-enzyme Q10 BP+Astaxanthin+Elemental Zinc+Folic Acid IP+Vitamin D3 IP+Green Tea Extract	500mg+50mg+8mg+ 5mg+1.5mg+400 IU+ 10mg	Film Coated Tablets
84	Calcium Citrate Maleate+Magnesium Hydroxide IP+Zinc Sulphate IP+Vitamin D3 IP	250mg+25mg+5mg+ 200 IU	Film Coated Tablets
85	Calcium Aspartate+Calcium Orotate+ Calcitriol+Zinc+Magnesium Hydroxide IP+Hydroxycobalamin USP+Folic Acid IP	500mg+500mg+0.25mc g+7.5mg+50mg+100mc g+1.5mg	Film Coated Tablets
86	Lactobacillus acidophilus UBLA-34+ Saccharomyces Boulardii Unique 28+ Lactobacillus Rhamnosus UBLR-58+ Lactobacillus Plantarum UBLP-40+ Lactobacillus Reuterii UBLRu- 87+Lactobacillus Casei UBLC-42+Bifidobacterium Bifidum UBBB-55+Lactobacillus Sporogenes Unique IS-2+Total count of Probiotics+Fructo Oligo Saccharides+Elemental Zinc	0.25 billion cfu+ 0.10 billion cfu + 0.25 billion cfu + 0.10 billion cfu + 0.10 billion cfu + 0.10 billion cfu + 0.25 billion cfu + 0.10 billion cfu + 1.25 billion cfu + 100mg+10mg	Powder Sachet
87	Calcium Citrate USP+Magnesium Hydroxide IP+Zinc Sulphate Monohydrate IP+Vitamin D3 IP	1000mg+100mg+4mg+ 400 IU	Film Coated Tablets
88	Coenzyme Q10+L-Carnitine L-Tartrate+N-Acetyl Cysteine USP+Sodium Selenite BP+Zinc Sulphate Monohydrate eq. to elemental Zinc Usp+Folic Acid IP+Ferrous Gluconate IP	100mg+300mg+200mg+ 100mcg+50mg+1mg+10 mg	Film Coated Tablets
89	Coenzyme Q10+L-Carnitine L-Tartrate+L-Arginine IP+Sodium Selenite BP+Zinc Sulphate Monohydrate eq. to elemental Zinc USP+Lycopene 10%	100mg+200mg+100mg+ 70mcg+61.5mg+500mc g	Film Coated Tablets
90	Soy Isoflavones extract standardized to 40% containing Daidzin & Genistin +Calcium Carbonate625mg from an organic source eq to elemental Calcium+Vitamin D3 IP+Magnesium Oxide IP	150mg+60mg (15% + 25%)+250mg+100 IU+90mg	Film Coated Tablets

S.No	Name of FDC	Strength	Dosage Form
91	Calcium Citrate USP+Cholecalciferol IP+ Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Sulphate Monohydrate USP	1000mg+200 IU+240mg eq. to 100mg+4.0mg	Uncoated Tablets
92	Malt Extract IP+Ferric Ammonium Citrate IP + Calcium Gluconate IP+Cholecalciferol IP+ Niacinamide IP+Folic Acid IP+Cyanocobalamin IP	4.52g+100mg+360mg+ 400IU+45mg+ 1.5mg+ 15mcg	Liquid Oral Dosage
93	Vitamin A IP+Vitamin D3 IP+Tocopheryl Acetate IP+Ascorbic Acid IP+Thiamine HCl IP+ Riboflavin Sodium Phosphate IP+Pyridoxine HCl IP+Niacinamide IP+D-Panthenol IP+D-Biotin BP+Lysine HCl USP+Zinc Sulphate IP	2500 IU+200 IU+2.5 IU+40mg+1mg+1mg 0.5mg+5mg+3mg+ 50mcg+10mg+13.3mg	Syrup
94	Calcium Citrate USP+Vitamin D3 IP+ Magnesium Hydroxide IP+Zinc Sulphate Monohydrate USP eq. to elemental Zinc	1000mg+200 IU+ 100mg+4mg	Film Coated Tablets
95	Microcrystalline Hydroxyapatite Complex (MCHC)+Magnesium Carbonate IP+Zinc Sulphate+Carbonyl Iron eq. to elemental Iron	400mg+62.5mg+22mg + 25mg	Hard Geletin Capsules
96	L-Lysine HCL USP+Pyridoxine Hcl IP+ Cyanocobalamin IP+Nicotinamide IP+D-Panthenol IP+Zinc+Manganese+Iodine+Calcium	6.5mg+0.5mg+1mcg+1 5mg+1.25mg+1 mg+800 mcg+ 50 mcg +1.25 mg per 5ml	syrup
97	Lycopene 10% + Vitamin A Palmitate IP+Ascorbic Acid IP+Vitamin E IP+Zinc Gluconate USP+ Manganese Sulphate USP+Potassium Iodide IP+Selenium Dioxide USP+Cupric Sulphate USP+Vitamin B1 IP+Vitamin B2 IP+Vitamin B6 IP	1000mcg+1600IU+ 50mg+10IU+3mg+2mg +100mcg+35mcg+500 mcg+2mg+3mg+1.5mg per 10ml	Oral Liquid
98	Vitamin A IP+Vitamin E IP+Vitamin D3 IP+ Thiamine HCL IP+Riboflavin - Phosphate Sodium IP+Pyridoxine HCL IP+Cyanocobalamin IP+D- Panthenol IP+Niacinamide IP+Lysine Monohydrate USP+Potassium Iodide IP+Copper Sulphate BP+Zinc Sulphate IP+Sodium Selenite BP+L- Glutamic acid BP+Folic Acid IP	1250IU+2.5IU+100IU+ 1mg+1mg+0.5mcg+ 0.5mg+1.25mg+7.5mg +25mg+50mcg+100mc g+22.2mg+50mcg+50 mg+150mcg per 5ml	Syrup
99	Calcium Carbonate IP eq. to elemental Calcium+Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Gluconate USP eq. to elemental Zinc+Vitamin D3 IP	150mg+25mg+1.5mg+ 200 IU per 5ml	Oral Liquid

S.No	Name of FDC	Strength	Dosage Form
100	Ginseng+Vitamin A IP+Vitamin B1 IP+Vitamin B2IP+ Vitamin B6 IP+Vitamin B12 IP+Vitamin C IP+ Vitamin D3 IP+Vitamin E BP+Nicotinamide IP+Calcium Carbonate IP+Calcium Pantothenate IP+Folic Acid IP+Ferrous Fumarate IP+Potassium Sulphate IP+ Copper Sulphate BP+Potassium Iodide IP+ Manganese Sulphate Monohydrate BP+Magnesium Sulphate IP+Zinc Sulphate Monohydrate IP+Selenium USP+Lactobacillus spores	48mg+2500IU+2mg+ 2mg+1.5mg+1mcg+ 25mg+200IU+10mg+ 25mg+10mg+2mg+300 mcg+30.42mg+11.1mg+ 1.77mg+0.98mg+1.54m g+ 30.41mg+2.20mg+ 40mcg+ 60 million spores	Hard Geletin Capsules
101	Ubidecarenone (Coenzyme Q10) USP+ Levocarnitine USP+Lycopene Powder 5%w/w +Zinc Sulphate Monohydrate IP+Elemental Selenium	50mg+500mg+2.5mg+ 12.5mg	Film Coated Tablets
102	Ubidecarenone (Coenzyme Q10) USP+ Lycopene 10%+Ecosapentanoic Acid + Decosahexanoic Acid+ Selenium Hydroxide USP+Mixed Carotene 20%+Calcium Ascorbate+Wheat Germ Oil+Zinc Sulphate Monohydrate IP+Vitamin B12 IP	100mg+5000mcg+90mg +60mg+70mcg+ 10.33mg+75mg+25mg+ 27.45mg+ 5mcg	Soft Gelatin Capsules
103	Whey Protein Concentrate 20% eq. to Carbonyl Iron+Vitamin A IP+Vitamin C IP+Vitamin D3 IP+ Vitamin B1 Monitrate IP+Niacinamide IP+ Vitamin B25 phosphate IP+Vitamin B6 IP+Folic Acid IP+ Vitamin B12 IP+Dicalcium Phosphate IP+Copper Suphate BP+Manganese Sulphate BP+Calcium Pantothenate IP	20gm+30mg+5000IU+ 80mg+300IU+3.3mg+50 mg+4.5mg+1.6mcg+1m g+1.6mcg+1330mg+1.6 mg+0.1mg+3.3mg	Dry Powder
104	Calcium Citrate USP+Magnesium Hydroxide IP eq to elemental Magnesium+Zinc Sulphate Monohydrate USP eq. to elemental Zinc+Vitamin D3 IP	1000mg+100mg+4mg+ 200 IU	Film Coated Tablets
105	Calcium Carbonate IP eq. to elemental Calcium+ Magnesium Hydroxide IP eq. to elemental Magnesium +Zinc Gluconate USP eq. to elemental Zinc+Vitamin D3 IP	150mg+25mg+1.5mg+ 200 IU	Oral Liquid
106	Calcitriol IP+Calcium Citrate IP+Zinc Sulphate IP+Magnesium Hydroxide IP	0.25mcg+750mg+7.5mg +100mg	Film Coated Tablets
107	Ginseng BP+Vitamin A IP+Vitamin B1 IP+Vitamin B2 IP+Vitamin B6 IP+Vitamin B12 IP+Vitamin C IP+Vitamin D3 IP+Vitamin E BP+Nicotinamide IP+Calcium Carbonate IP+Calcium Pantothenate IP+Folic Acid IP+Ferrous Fumarate IP+Potassium Sulphate IP+Copper Sulphate IP+Manganese Sulphate Monohydrate BP+Magnesium Sulphate IP+Zinc Sulphate Monohydrate USP+Selenium Dioxide USP+Lactobacillus sporogenes	48mg+2500IU+2mg+2m g+1.5mg+1mcg+25mg+ 200IU+10mg+25mg+10 mg+2mg+300mcg+30.4 2mg+1.77mg+0.98mg+1 .54mg+30.41mg+2.20m g+40mcg+60 million spores	Capsules

S.No	Name of FDC	Strength	Dosage Form
108	Calcium Carbonate IP eq. to elemental Calcium+ Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Gluconate USP eq. to elemental Zinc+Vitamin D3 IP	625mg eq. to 250mg +180mgeq. to 75mg +14mg eq.to 2mg+ 200 IU per 5ml	Suspension
109	Carrot Extract+Beta Carotene 7.5%, Dispersion +Vitamin C IP+Vitamin E Acetate IP+Zinc Sulphate IP+Selenium Dioxide eq. to elemental selenium	100mg+40mg+150mg +25mg+70mg+75mcg eq. to 45.9mcg	Film Coated Tablets
110	Calcium Citrate USP+Magnesium Hydroxide IP+Zinc Sulphate Monohydrate IP+Vitamin D3 IP	200mg+50mg+4mg+ 200 IU	Uncoated Tablets
111	Protein Hydrolysate 20% + Niacinamide IP+Iron Choline Citrate+Magnesium Chloride IP+ Manganese Chloride USP+Zinc Sulphate IP + Lysine Hcl	0.333gm+10mg+15mg+3.333mg+0.033mg +2.7mg eq.to 0.600mg +20mg per 5ml	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
112	Vitamin A IP+Vitamin D3 IP+Vitamin E IP+ Thiamine HCl IP+Riboflavin -5-Phosphate Sodium IP+Pyridoxine HCl IP+Cyanocobalamin IP+Niacinamide IP+DPanthenol IP+L-Lysine HCl+Potassium Iodide IP+Zinc Sulphate IP +Copper Sulphate BP	1250 IU+100 IU+2.5 IU+0.75mg+0.75mg+0.5mg+0.5mg+7.5mg+ 1.25mg+5mg+50mg+ 22.5mg+100mcg per 5ml	Syrup
113	Calcium carbonate eq. to elemental Calcium +Vitamin D3 IP+Magnesium Oxide Light IP+ Manganese Sulphate USP+Zinc Sulphate+ Copper SulphateUSP+Sodium Borate BP	500mg+250IU+ 40mg+1.8mg+7.5mg+ 1mg+250mcg	Film Coated Tablets
114	Calcium Citrate IP+Elemental Magnesium IP+Zinc Sulphate IP+Vitamin D3 IP	1000mg+100mg+200 IU+200IU	Tablets
115	Vitamin A IP+Vitamin D3 IP+Thiamine Mononitrate IP+Vitamin B2 IP+Vitamin C IP	1600IU+200IU+1mg+ 1.5mg+25mg	Film coated tablets
116	Vitamin A (Concentrateas Palmitate) IP+Vitamin D3 IP+Vitamin B1 HCL IP+Vitamin B2-5- Phosphate Sodium IP+Vitamin B6 HCl IP+ Vitamin B12 IP+Niacinamide IP+Zinc Sulphate IP+Manganese Sulphate IP+Potassium Sulphate IP+L-Lysine Hcl USP	3000 IU+400IU+ 1mg+1.5mg+1.5mg+ 2mcg+15mg+1mg+92 0mcg+3.5mg+24mg per 0.6 ml	Drops
117	Calcium citrate + Vit.-D3 + Mag.hydroxide + Zinc sulphate	1000mg+200IU+ 100mg+ 4mg	Tablets
118	Coenzyme Q10+Astaxanthin	300mg+8mg	Tablets

S.No	Name of FDC	Strength	Dosage Form
119	Vitamin A IP+Vitamin D3 IP+Vitamin E (as acetate) IP+Vitamin C (Ascorbic Acid)+Vitamin B1(Thiamine HCl) IP+Vitamin B2 Riboflavin) IP+Vitamin B3(Niacinamide) IP+Vitamin B5(As Calcium Pantothenate) IP+Vitamin B6(Pyridoxine HCl) IP+Biotin BP+Folic Acid IP+Copper Sulphate BP+Zinc Sulphate IP+Selenium+Magnesium Hydroxide IP+Manganese Sulphate BP+Chromium Picolinate USP+L-Glutamic Acid BP+Vitamin B12(As Adenosylcobalamine)	5000 IU+400IU+25mg +75mg+10mg+ 10mg+ 50mg+50mg+3mg+ 260mcg+1mg+200mcg+60 mg+100mcg+10mg+200mc g+150mcg+50mg+7.5 mcg	Sugar Coated Tablets
120	Ferrous Gluconate+Astaxanthin+Zinc Oxide+Larginine+Pyridoxine HCl+Lycopene+Folic Acid+LSelenomethionine+Vitamin B12	25mg+8mg+7.5mg+5mg+1 .5mg+1mg+0.5mg+ 100mcg+7.5mcg	Capsules
121	L-Carnitine+ Ubidecarenone+ Zinc+Lycopene+Astaxanthin	340mg+50mg+5mg+2.5mg +8mg	Tablets
122	Rutin+Ascorbic Acid+Menadione Sodium Bisulphite (Vitamin K3)+Calcium Diabasic Phosphate+Cholecalciferol (Vitamin D3)+Adrenochrome monosemicarbazone	100mg+50mg+20mg+ 150mg+300IU+1mg	Film Coated Tablets
123	Methylcobalamin+Lycopene+Zinc Sulphahte+ Lcarnitine Fumarate+Taurine+Caffeine+Inositol + Nicotinamide+Pyridoxine HCl+Powdered American Ginseng+Folic Acid+Fructose+Citric Acid	1500mcg+5000mcg+10mg +500mg+1000mg+50mg+5 0mg+20mg+1.5mg+10mg+ 1.5mg+1gm+50mg	Sachet
124	Beta Carotene+Vitamin B6+Folic Acid+ Niacinamide+Biotin+Copper Sulphate+ Manganese Sulphate+Selenium Dioxide monohydrated+Zinc Oxide+Chromium Picolinate	20.66mg+3mg+1mg+50mg +30mcg+2.5mg+1.5mg+ 60mcg+15mg+ 65mcg	Soft gel capsule
125	Calcium Carbonate+Vitamin D3+Magnesium Oxide+Isoflavone	500mg+250IU+90mg+ 50mg	Film Coated Tablets
126	Calcium Ascorbate+Lycopene+Mix Carotene 10% +Wheat Germ Oil+Zinc Sulphate Monohydrate+ Selenium	50mg+5000mcg+10.33mg+ 25mg+27.45mg+75mcg	Capsules (The label should clearly mention the content of Beta carotene in the mixed carotene)
127	Calcium Citrate USP+Vitamin D3(Cholecalciferol) IP+Magnesium Hydroxide IP+Zinc Sulphate Monohydrate USP	1000mg+200 IU+ 100mg+4mg	Uncoated tablet

S.No	Name of FDC	Strength	Dosage Form
128	Vitamin A (As Acetate) IP+Vitamin E IP+Ascorbic Acid (Coated) IP+Zinc Sulphate IP+Copper Sulphate USP+Lycopene 10% +Manganese Sulphate USP+Beta Carotene USP(10% Dispersion)+Selenium Dioxide USP	5000 IU+15mg+75mg+7.5mg+ 1mg+2000mcg +1.5mg+ 10mg+50mcg	Hard gelatin capsules
129	Calcium Citrate+Vitamin D3+Magnesium Hydroxide+Zinc Sulphate Monohydrate	1000mg+200 IU+100mg+4mg	Uncoated tablet
130	Lycopene 10% + Vitamin A Acetate IP+Vitamin E Acetate IP+Vitamin C Coated IP+Zinc Sulphate Monohydrate USP+Selenium Dioxide USP	5mg+2500 IU+25 IU+50mg+27.45mg+75mcg	Hard gelatin capsules
131	Coenzyme Q10+ Carnitine+Lycopene+ Zinc+ Selenium	50mg/100mg+500mg+5000mcg+57mg+100mcg	Film Coated Tablets
132	Calcium Carbonate IP+Magnesium Hydroxide IP+Zinc Sulphate IP+Vitamin D3 IP+Vitamin C IP	1000mg+240mg+17.61mg+200 IU+25mg	Film Coated Tablets
133	Vitamin A (as Aetate) IP+Vitamin D3 (Cholecalciferol) IP+Vitamin E (as di Alpha tocopheryl Acetate) IP+Thiamine Mononitrate IP+Riboflavin IP+Pyridoxine HCl IP+ Cyanocobalamin IP+Niacinamide IP+Calcium D-Pantothenate IP+Ascorbic Acid IP+Magnesium Oxide IP+Manganese Sulphate IP+Zinc Sulphate Monohydrate USP+Copper Sulphate BP+ Selenium Dioxide USP+L-Glutamic Acid USP+ D-Biotin USP	5000 IU+400 IU+15IU+10mg+10mg+2mg+7.5mcg+50mg+10mg+75 mg+30mg+2.8mg+63mg+2mg+70mcg+100mg+30mcg	Sugar Coated Tablets
134	Calcium Citrate USP+Vitamin D3 IP+L-Lysine HCl+Magnesium Oxide IP+Manganese Sulphate IP+Zinc Sulphate Monohydrate IP+Copper Sulphate BP+Boron	1000mg+200IU+50mg+40mg+1.8mg+7.5mg+1mg+250mcg	Film Coated Tablets
135	Lutein Preparation USP+L-Glutathione BP+ Lycopene Preparation USP+Lysine Hcl USP+Beta Carotene+Copper Sulphate BP+Zinc Oxide IP	6.4mg+5mg+5000mcg+50mcg+20mg+1mg+25mg	Hard gelatin capsules
136	Asian Ginseng Extract Powder USP+Betacarotene +Vitamin B6 IP+Vitamin B12 IP+Vitamin D3 IP+ Folic Acid IP+Niacinamide IP+Biotin USP+ Lysine HCL+Ferrous Fumarate IP+Dibasic Calcium Phosphate IP+Zinc Sulphate IP+ Magnesium Hydroxide IP+Copper Sulphate BP+Manganese Sulphate BP+Chromium Chloride USP+Sodium Selenate	42.5mg+30mg+1mg+5mcg+200IU+500mcg+25mg+10mcg+50mg+45mg+75mg+10mg+10mg+500mcg+500mcg+200mcg+100mcg	Hard gelatin capsules

S.No	Name of FDC	Strength	Dosage Form
137	Calcium Phosphate IP eq. to elemental Calcium eq. to phosphorous+Magnesium Hydroxide IP+Zinc Gluconate USP+Vitamin D3 IP.	300mg eq. to 150mg+75mg+4mg+200 IU	Suspension
138	Protein Hydrolysate+Iron Choline Citrate+Thiamine HCl+Riboflavin+Pyridoxine HCl+Folic Acid+Cyanocobalmain	500mg+150mg+0.5mg 0.5mg+0.25mg+25mcg+ 0.5mcg	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
139	L-Carnitine+Acetyl L-Carnitine Hcl+Fructose IP+ Ubidecarenone BP+Citric Acid IP+Folic Acid IP+Vitamin B12 IP (Cyanocobalamin) +Selenomethionine USP+Zinc+Lycopene	1gm+0.5gm+1gm+100mg+50mg+500mcg+2.5mcg+50mcg+10mcg+2.5mg	Powder
140	Elemental Iron as Carbonyl Iron+Ascorbic Acid IP+ Docusate Sodium IP+Nicotinamide IP+ Zinc+Riboflavin IP+Thiamine Mononitrate IP+ Pyridoxine HCl IP+Copper Oxide+Folic Acid IP+ Iodine as Potassium Iodide IP+Cyanocobalamin IP+Vitamin A IP+Tocopheryl Acetate IP	120mg+75mg+50mg+45mg+25mg+5mg+4.5mg+3mg+2mg+1.5mg+150mcg+12mcg+500IU+25 IU	Film Coated tablets
141	Calcium Citrate USP+Cholecalciferol IP+ Magnesium Hydroxide IP eq. to elemental Magnesium	200mg+200 IU+100mg	Film Coated tablets
142	Calcitriol IP+Calcium Carbonate IP+Vitamin K2-7+Methylcobalamin+Zinc+Magnesium+L-Methyl Folate	0.25mcg+1250mg+45 mcg+1500mcg+7.5mg +50mg+800mcg	Soft Gelatin Capsules
143	Omega 3 Fatty Acid: Eicosahexanoic Acid+ Docosahexanoic Acid+Green Tea Extract+ Ginseng Extract+Ginkgo Biloba extract+Grape Seed Extract+Lactic Acid Bacillus+Citrus Bioflavonoids+natural Mixed Carotenoids+ Vitamin D3 IP+Wheat Germ Oil	90mg+60mg+10mg+4 2.5mg+10mg+15mg+500lacs+20mg+11.33 mg+200IU+25mg	Soft Gelatin Capsules (The label should clearly mention the content of Beta carotene in the mixed carotene)
144	Riboflavin IP+Folic Acid IP+Niacinamide IP+Lactic Acid Bacillus	10mg+1.5mg+100mg +60million spores	Uncoated Tablets
145	Calcium Citrate USP+Vitamin D3 IP+Elemental Magnesium (as magnesium oxide oxide IP 166mg) +Elemental Zinc (as zinc sulphate monohydrate USP 20.59mg)+Methylcobalamin JP+Folic Acid IP+Pyridoxine Hcl IP	1000mg+250IU+100mg+7.5mg+500mcg+5mg+10mg	Film Coated tablets
146	Calcium Citrate USP+Vitamin D3 IP+Zinc Sulphate Monohydrate USP+Magnesium Hydroxide IP	1000mg+250 IU+66mg+40mg	Film Coated tablets

S.No	Name of FDC	Strength	Dosage Form
147	Vitamin A (as Palmitate) IP+Vitamin D3 IP+ Tocopheryl Acetate IP+Vitamin B1 IP+Vitamin B6 IP+ Mecobalamin +Niacinamide IP+D-Panthenol IP+Vitamin C IP+Zinc Gluconate IP eq. to elemental Zinc+Potassium Iodide IP eq. to elemental Iodine+Chromium Chloride eq. to elemental Chromium+Sodium Molybdate Dihydrate BP eq. to elemental Molybdenum+Manganese Chloride eq. to elemental Manganese+Calcium Lactate eq. to elemental Calcium+Sodium Selenite eq. to elemental Selenium	2500 IU+200 IU +7.5 IU+2.25mg+ 1mg+2mcg+ 22.5mg+2.5mg+ 40mg+1mg+50mcg 8mcg+8mcg+0.8mg+1.25mg+10mcg per 15ml	Liquids
148	Calcium Carbonate+Magnesium Hydroxide+Zinc Gluconate+Vitamin D3 IP	325mg+180mg+ 75gm+ 200IU	Suspension
149	Protein Hydrolysate+Vitamin B6 IP+Nicotinamide IP+ Elemental Iron+Zinc Sulphate IP+Magnesium Chloride IP+Manganese Chloride USP+L-Lysine Hydrochloride USP	400mg+0.5mg+12 mg+3.33mg+1.7mg +3.33mg+0.03mg+ 8.33mg	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
150	Calcium Carbonate eq. to elemental Calcium+ Magnesium Hydroxide IP+Zinc Sulphate eq. to elemental Zinc+Vitamin D3 IP	1250mg eq. to 500mg+240mg+ 4mg+200 IU	Tablets
151	Alphagalactosidase+Alpha Amylase IP+Pepsin IP+Bio Fungal Lactase	25mg+50mg+10mg +5mg per 5ml	Oral Liquid
152	Vitamin D3 IP+Vitamin B6 IP+ mecobalamin + Niacinamide IP+Folic Acid IP+Chromium Picolinate USP eq. to elemental Chromium+Sodium Molybdate USP eq. to elemental Molybdenum+Manganese Sulphate USP eq. to elemental Manganese+Zinc Sulphate Monohydrate Eq. to elemental Zinc+Cupric Sulphate USP eq. to elemental Copper+Sodium Selenite eq. to elemental Selenium+Magnesium Oxide IP eq. to elemental Magnesium+Mixed Carotenoids	1000IU+1.5mg+ 500mcg+50mg+ 1.5mg+250mcg eq. to 31mcg+25mcg eq. to 9.85mcg +1.5mg eq. to 0.55mg+55mg eq. to 20mg+2mg eq. to 0.50mg+70mcg eq. to 31.96mcg +50mg eq. to 30.15mg+11mg	Film Coated Tablets
153	Vitamin A Acetate IP+Vitamin B1 IP+Vitamin B2 IP+ Vitamin B6 IP+Vitamin B12 IP+L-Lysine HCL USP+ Vitamin C IP+Zinc Sulphate USP+Niacinamide IP+Potassium Iodide IP	5000 IU+10mg+ 10mg+3mg+10mcg +50mg+75mg+40mg+50mg+0.2mg	Hard gelatin capsules
154	Lactic Acid Bacillus+Nicotinamide+Folic Acid+Pyridoxine HCl+Zinc Sulphate+Cyanocobalamin+Calcium Pantothenate+Biotin	200X10(6)+100mg +1500mcg+3mg+4 1.4mg+15mcg+50 mg+100mcg	Hard gelatin capsules

S.No	Name of FDC	Strength	Dosage Form
155	Lycopene+Vitamin E+Copper Sulphate+Chromium Picolinate+Manganese sulphate+Zinc Oxide+Sodium Selenite pentahydrate	2mg+5IU+1mg+ 25mcg+1mg+15mg+75mcg	Soft gel capsule
156	Vitamin K2-7+Calcium Carbonate+Calcitriol+Zinc Sulphate monodyrate+Magnesium sulphate	50mcg+500mg+0.25mcg+7.5mg+ 50mg and 50mcg+200mg+0.25mcg+7.5mg + 50mg	Film Coated Tablets
157	Vitamin A Acetate+Vitamin E+Vitamin C+Zinc Sulphate+Selenium Dioxide+Magnesium Sulphate+Copper Sulphate+Chromium Picolinate	5000IU+25IU+100mg+88mg+60mcg+1.5mg+1.0mg+200mcg	Hard gelatin capsules
158	Lactic Acid bacillus+Nicotinamide+Folic Acid+Pyridoxine HCl+Zinc Sulphahte+Cyanocobalamin+Biotin	120X10(6)+50mg+1500mcg+3mg+15mg+10mcg+100mcg	Capsules
159	Calcium Carbonate+Magnesium Hydroxide+Zinc Gluconate+Vitamin D3	150mg+25mg+1.5mg+200IU per 5ml	Oral liquid
160	Calcium Carbonate eq. to elemental Calcium +Vitamin D3 IP+Magnesium Oxide IP+Manganese Sulphate USP+Zinc Sulphate IP+Copper Sulphate+Boron USP	1250mg eq. to 500mg+250 IU+40mg+1.80mg+7.5mg+1mg+250mcg	Film Coated Tablets
161	Potassium Citrate IP+Magnesium Citrate USP+Pyridoxine HCL IP	1100mg+375mg+20mg per 5ml	Oral Liquid
162	Calcium Carbonate IP eq. to elemental Calcium+Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Gluconate USP eq. to elemental Zinc+Vitamin D3 IP	1000mg eq. to 400mg+240mg eq. to 100mg+11mg eq. to 4mg+200 IU	Uncoated tablet
163	Calcium Citrate USP+Vitamin D3 IP+Magnesium Hydroxide IP+Zinc Sulphate IP	1000mg+200 IU+100mg+4mg	Tablets
164	Calcium Carbonate IP+Vitamin D3 IP+Magnesium Hydroxide IP+Zinc Sulphate IP	1000mg+200 IU+100mg+4mg	Tablets
165	Thiamine HCl IP+Riboflavin IP+Pyridoxine HCL IP+Folic Acid IP+Niacinamide IP+Calcium Pantothenate IP+Zinc Sulphate IP+Lactic Acid Bacillus	10mg+10mg+3mg+1.5mg+45mg+5mg+45mg+60 million spores	Hard gelatin capsules
166	Protein Hydrolysate 20%+Pyridoxine Hcl IP+Niacinamide IP+Iron Choline Citrate IP+Magnesium Chloride+Manganese Chloride+Zinc Sulphate+L-Lysine Monohydrochloride	0.333gm+1.5mg+15mg+15mg+3.333mg+0.033mg+10mg+20mg per 5ml	Syrup (Source of Protein Hydrolysate should be mentioned on the label)

S.No	Name of FDC	Strength	Dosage Form
167	Calcium Carboante+Dibasic Calcium Phosphate+Vitamin D3+Magnesium+ Zinc	500mg+100mg+200IU+90mg+4mg	Tablets
168	Biotin+N-Acetyl Cysteine+Calcium Pantothenate+ Sodium Selenite+Cupric oxide+ Zinc Oxide	5mg+50mg+50mg+65mcg+ 3mg+22.5mg and 10mg+50mg+ 100mg+ 65mcg+3mg +22.5mg	Tablets
169	Calcium Carbonate+Magnesium Hydroxide+Zinc Gluconate+Vitamin D3	250mg+75mg+2mg+200IU per 5ml	
170	Lycopene+Lutein+Manganese sulfate eq to elemental manganese+Selenium Dioxide monohydrate eq to elemental selenium+Zinc sulphate monohydrate eq to Elemental Zinc	8000mcg+4000mcg+2mg eq to 0.65mg+ 25mcg eq to 15.31mcg +10mg eq to 3.6mg	Softgel capsules
171	Soy Isoflavones extract standardized to 40% To provide isoflavones 40% +Daidzin & Daidzin + Genistin & Genistin +Calcium Carbonate 625mg from an organic source eq. to elemental Calcium+Vitamin D3 IP+Magnesium Oxide IP eq. to magnesium	150mg+60mg+15% + 25% + 250mg+100 IU+90mg	Film Coated Tablets
172	Vitamin A(as Palmitate) IP+Cholecalciferol IP+ Vitamin E(Dialpha tocopheryl Acetate) IP+ Thiamine HCL IP+Riboflavin Phosphate Sodium IP+Pyridoxine Hcl IP+Cyanocobalamin IP+D-Panthenol IP+Niacinamide IP+ L-Lysine HCl USP+Potassium Iodide IP+Copper Sulphate IP+ Sodium Selenite pentahydrate+Zinc Sulphate IP	1250 IU + 100 IU+2.5 IU+ 0.75mg+0.75mg+0.50mg+0.5mcg+1.25mg+7.5 mg+5mg+50mcg+100mcg+ 10mcg+22.2mg per 5ml	Syrup
173	Proteine Hydrolysate eq. to Nitrogen+Iron Choline Citrate eq. to elemental Iron+Zinc Sulphate IP+Niacinamide IP+Thiamine HCl IP+Riboflavin IP+Pyridoxine HCl IP+Cyanocobalamin IP	10mg+20.0mg+15mg+ 7.5mg+0.5mg+0.5mg+ 0.25mg+0.25mcg	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
174	Cholecalciferol IP+Pyridoxine HCl IP+Niacinamide IP+Cyanocobalamin IP+Zinc+ Beta-Carotene Dispersion 2.5%+ Manganese+ Molybdenum+ Selenium+Lysine Hcl BP+Iodine+ Biotin USP+ Chromium+Inositol	200IU+1mg+15mg+1mcg+3mg+38mg+0.8mg+ 8mcg+10mcg+30mg+50 mcg+10mcg+10mcg+ 10mg	Multivitamin & Multiminerals Supplement
175	Thiamine HCl IP+Riboflavine Phosphate Sodium IP+Pyridoxine HCl IP+Niacinamide IP+D-Panthenol IP+Choline Chloride+DL-Methionine BP+Inositol+Cyanocobalamin IP+Benzyl Alcohol IP	100mg+5mg+5mg+ 100mg+10mg+10mg+ 10mg+5mg+100mcg+1. 0% v/v per 2ml	Injection

S.No	Name of FDC	Strength	Dosage Form
176	Synthetic Vitamin A Concentrate BP (Powder Form) +Cholecalciferol BP+Thiamine Nitrate BP+Riboflavin BP+Niacinamide + Folic Acid BP+Pyridoxine HCl IP+Calcium Pantothenate BP+Cyanocobalamin BP+ Ascorbic Acid BP+Alpha Tocopheryl Acetate BP+ Minerals (Tribasic Calcium Phosphate BP+Dried Ferrous Sulphate BP+Manganese Sulphate USP+ Magnesium Oxide Light BP+Copper Sulphate BP+Zinc Sulphate BP)	10,000 IU+1,000 IU +10mg+10mg+45mg 1.500mg+3mg+10mg 15mcg+150mg+15mg+ Minerals (51.300mg+32mg+4.06 0mg+3 3.160mg+ 3.930mg+50mg)	Sugar Coated Tablets
177	Vitamin A Concentrate IP+Cholecalciferol IP+Alpha tocopherol Acetate IP+Thiamine HCl IP+Riboflavine Phosphate Sodium IP+Pyridoxine HCl IP+Ascorbic Acid IP+Niacinamide IP+D-Panthenol IP+Benzyl Alcohol IP	1100 IU+100IU+ 0.50mg+5mg+1.40mg+ 1.65mg +50mg+ 10mg+2.5mg+ 1% v/v per ml	Infusion
178	Tribasic Calcium Phosphate IP eq. to Elemental Calcium+Magnesium Oxide IP eq. to Elemental Magnesium+Zinc Sulphate IP eq. to Elemental Zinc+Vitamin D3 IP (Cholecalciferol)	1032mg eq. to 400mg+66.32mg eq. to 40mg+26.40mg eq. to 6mg+200 IU	Uncoated Tablets
179	Vitamin A Concentrate IP+Cholecalciferol IP+ Tocopheryl Acetate IP+Thiamine HCl IP+Riboflavine Sodium Phosphate IP+Pyridoxine HCl IP+D- Panthenol IP+Niacinamide IP+Cyanocobalamin BP+Ascorbic Acid IP+Zinc Sulphate IP eq. to Elemental Zinc	2500 IU+200 IU+2.5 IU+1mg+1.5mg+1.5mg +2mg+ 10mg+ 2mcg+30mg+21.98mg eq. to 5mg per ml	Paediatric Drops
180	Calcium Citrate USP+Vitamin D3 IP+Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Sulphate IP eq. to elemental Zinc	1000mg+200 IU+100mg+4mg	Uncoated Tablets
181	Calcitriol BP+Calcium Citrate USP+Zinc Sulphate IP+Magnesium Hydroxide IP	0.25mcg+750mg+ 7.5mg+ 100mg	Film Coated Tablets
182	Calcium Phosphate IP eq. to elemental Calcium eq. to elemental Phosphorus+Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Gluconate USP eq. to elemental Zinc+Vitamin D3 IP	300mg eq. to 150mg+75mg+4mg+20 0 IU per 10ml	Syrup
183	Thiamine Mononitrate IP+Riboflavin Sodium Phosphate IP+Cyanocobalmin IP+Niacinamide IP+Pyridoxine HCl IP+D-Panthenol IP+Benzyl Alcohol IP	50mg+2mg+50mcg+10 0mg+2 mg+5mg+ 2.0% v/v per ml	Injection
184	Thiamine Mononitrate IP+Riboflavine IP+Nicotinic Acid IP+Niacinamide IP+Biotin USP+Pyridoxine HCl IP+Calcium Pantothenate IP+Folic Acid IP+Vitamin B12 IP+Vitamin C IP+Light Magnesium Oxide IP	10mg+10mg+25mg+75 mg+260mcg+3mg+50 mg+1.5mg+15mcg+15 0mg+32.40mg	Sugar Coated Tablets

S.No	Name of FDC	Strength	Dosage Form
185	Thiamine HCl IP+Riboflavine Phosphate Sodium IP+Pyridoxine HCl IP+Niacinamide IP+D-Panthenol IP+Choline Chloride+DL-Methionine BP+Inositol+Chlorocresol IP+Benzyl Alcohol IP+Vitamin B12 IP	100mg+5mg+5mg+100mg+10mg+10mg+10mg+5mg+0.1% w/v + 3.0% v/v / 1.5% v/v + 1000mcg per ml	Injection
186	Sodium Alginate IP+Calcium carbonate IP+Ginger Extract	200mg+600mg+5mg	Uncoated Chewable Tablets
187	Calcium Aspartate+Calcium Orotate+Calcitriol IP+Zinc+Magnesium Hydroxide IP+Hydroxycobalamin IP+Folic Acid IP	500mg+500mg+0.25mcg+7.5mg+50mg+100mcg+ 1.5mg	Film Coated Tablets
188	Calcium Citrate USP eq. to elemental Calcium+ Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Sulphate Monohydrate IP eq. to elemental Zinc+Vitamin D3 IP	1000mg+100mg+4mg +200 IU	Uncoated Tablets
189	L-carnitine-L-Tartrate eq. to L-carnitine+Lycopene USP+L-Glutathione+Ubidecarenone (Coenzyme Q10) USP+Folic Acid IP+Seelenium Dioxide Monohydrate USP eq. to elemental Selenium+Zinc Suphate Monohydrate IP	500mg+2500mcg+10mg+ 50mg+1.5mg+75mcg+60mg	Film Coated Tablets
190	Betacarotene 15% + Lutein 8% (containing lutein 6.66mg/zeaxanthin 1.33mg) + Lycopene + Omega-3 fatty acid (Containing EPA-120mg & DHA -180mg) + Methylcobalamin JP + Zinc ascorbate + Copper (as copper sulphate BP)+Manganese (as Manganese Sulphate IP) + L-Selenomonomethionine USP	10.33mg+(10mg/26mcg)+ 2mg+500mg+500mcg+75mg+2mg+5mg+60mcg	Soft gelatin capsules
191	Betacarotene 15% + Lutein 8% (containing lutein 6.66mg/zeaxanthin 1.33mg) + Zinc ascorbate + Copper (as copper sulphate BP)+Manganese (as Manganese Sulphate IP) + L-Selenomonomethionine USP	10.33mg+10mg+60mg +1mg+ 2.5mg+60mcg	Film coated tablets
192	Betacarotene 15% + DHA 20% Derived from marine algal powder + Lutein 8% (containing lutein 6.66mg/ zeaxanthin 1.33mg) + Zinc ascorbate + Copper (as copper sulphate BP)+Manganese (as Manganese Sulphate IP) + L-Selenomonomethionine USP	10.33mg+250mg+10mg+60mg+1mg+ 2.5mg+60mcg	Film coated tablet
193	L-Carnitine USP+Coenzyme Q 10 Usp+Vitamin K2-7+Astaxanthin USP+Magnesium Sulphate IP+ Zinc Sulphate Monohydrate USP eq. to elemental zinc	500mg+100mg+50mcg + 8mg+50mg+7.5mg	Soft Gelatin Capsules

S.No	Name of FDC	Strength	Dosage Form
194	Soy Isoflavones Extract (40%) +Natural Mixed Carotenoids (10%) +Vitamin D3 IP+Calcium Ascorbate USP+Niacinamide IP+Vitamin B12 IP+Folic Acid IP+Biotin USP+Carbonyl Iron eq. to Iron+Zinc Oxide IP eq. to Zinc+Magnesium Oxide IP+Manganese Sulphate USP+Copper Sulphate Pentahydrate BP+Potassium Iodide IP+Chromium Picolinate USP+Sodium Selenite Pentahydrate BP+Sodium Borate BP	75mg+11.33mg+400IU+75mg+45mg+10mcg+1000mcg+30mcg+12mg+15mg+90mg+2mg+1mg+225mcg+65mcg+100mcg+2mg	Capsules
195	Vitamin A (as palmitate) IP+Cholecalciferol (Vit. D3) IP+ Tocopheryl (Vit. E)Acetate+Thiamine (Vit B1) Hcl IP+Riboflavine (Vit B2) Sodium Phosphate IP+ Pyridoxine(Vit B6) Hydrochloride IP+ D-Panthenol IP+Nicotinamide IP+Lysine Hcl IP+Ascorbic Acid IP+Zinc	1250IU+200IU+2.50 mg+1mg+1mg+0.50 mg+1mg+10mg+10 mg+40mg+13.30mg	drops
196	Co-enzyme Q 10 (Ubiquinone) USP+Lycopene USP 100% +Omega 3 Fatty Acid BP+Natural Mixed Carotenoids 10% BP+Calcium Ascorbate USP+Folic Acid IP+Biotin BP+Zinc Sulphate Monohydrate USP+Cyanocobalamin IP+Selenium Hydroxide Monohydrate USP	100mg+5000mcg+500mg+10.33mg+75 mg+1.5mg+150mcg+27.45mg+5.0mcg+7.5mcg	Soft Gelatin Capsules (The label should clearly mention the content of Beta carotene in the mixed Carotene
197	Co-enzyme Q 10 (Ubiquinone) USP+L-Arginine IP+Omega 3 Fatty Acid BP+Folic Acid IP+Biotin BP+Zinc Sulphate Monohydrate USP+ Cyanocobalamin IP+Selenium Hydroxide Monohydrate USP+Chromium Picolinate USP	100mg+100mg+500 mg+1.5mg+150mcg+27.45mg+5.0mcg+75mcg+75mcg	Soft Gelatin Capsules
198	Calcium Citrate+Vitamin D3 IP+Di-Calcium Phosphate IP+Magnesium+Zinc Sulphate monohydrate IP	1000mg+400 IU+58mg +100mg +17.60mg	Film Coated Tablets
199	Calcium Citrate Maleate+Vitamin D3 IP+Vitamin K2-7+Methylcobalamin+Magnesium Light Hydrochloride IP+Zinc Oxide IP	1250mg+1000 IU+90mcg+1500mcg+50mg+1.5mg	Film Coated Tablets
200	Methylcobalamin JP+Alpha Lipoic Acid USP+ Chromium Polynicotinate eq. to Chromium+L Selenomethionine USP eq. to Selenium+Zinc Ascorbate eq. to Zinc+Calcium D-Pantothenate IP+Pyridoxine Hydrochloride (Vitamin B6) IP+Folic Acid IP	1500mcg+300mg+2.5mcg+40mcg+3.15 mg+12.50mg+3mg+1.50mg	Film Coated Tablet
201	Vitamin A Concentrate IP+Cholecalciferol IP+Alpha tocopherol Acetate IP+Thiamine HCl IP+Riboflavin Phosphate Sodium IP+Pyridoxine HCl IP+Ascorbic Acid IP+Niacinamide IP+D-Panthenol IP+Benzyl Alcohol IP	1000 IU+100IU+0.50mg+5mg+1.40 mg+1.50mg+50mg+10mg+2.5mg+1% v/v per ml	Infusion

S.No	Name of FDC	Strength	Dosage Form
202	Vitamin A (as palmitate) IP+Cholecalciferol (Vit. D3) IP+ Tocopheryl (Vit. E)Acetate+Thiamine (Vit B1) HCl IP+Riboflavine (Vit B2) Sodium Phosphate IP+Pyridoxine(Vit B6) Hydrochloride IP+D-Panthenol IP+Nicotinamide IP+Lysine HCl IP+Ascorbic Acid IP+Zinc Sulphate IP	1250 IU+200 IU+ 2.50mg+1mg+1mg+0.50mg+1mg+10mg+10 mg+40mg+13. 30mg per ml	Drops
203	Calcium citrate maleate+Vitamin K27+Calcitriol IP+ Zinc sulphate monohydrate BP eq. to elemental zinc+Magnesium hydroxide eq. to elemental magnesium+Sodium Borate BP eq. to elemental Boron+Sodium Selenite eq. to elemental Selenium+ Copper sulphate eq. to elemental Cupric	750mg+50mcg+0.25 mcg+7.5mg+50mg+1 mg+35mcg+1 mg	Film Coated Tablet
204	Ferric Amonium Citrate IP+Folic Acid IP+ Cyanocobalamin IP+Copper Sulphate BP+ Manganese Sulphate BP+Magnesium Chloride IP	120mg+0.75mg+7.5m cg+0.75mg+0.5mg+0.5mg per 5ml	OralLiquid
205	FolicAcid IP+Iodine (as Potassium Iodide)+ Docosahexaenoic Acid10% dispersion+ Mecobalamin+Zinc Sulphate Monohydrate BP	5mg+250mcg+200mg + 500mcg+25mg	Hard gelatin capsules
206	Tocotrienols 50% +Wheat germ oil BP+Cod Liver oil BP+Biotin BP+Vitamin B6 IP+Methylcobalamin+ Folic Acid IP+Alpha Lipoic Acid USP	15mg+100mg+100m+ 2.5mg+1.5mg+ 750mcg+300mcg+50 mg and 30mg+200mg + 150mg+5mg+1 5mg +1500mcg+300mcg+ 50 mg	Capsule
207	Calcium Carbonate IP+Dibasic Calcium Phosphate IP+Lysine Hcl USP+Vitamin D3 IP+Vitamin B12 IP+Magnesium Hydroxide IP+Zinc (As Sulphate) IP	500mg+100mg+50mg + 200 IU+2.5mcg+ 90mg+4mg	Film coated Tablet
208	Calcium Citrate Maleate Eq. to Elemental Calcium+ Vitamin D3 IP+Magnesium Hydroxide IP eq. to Elemental Magnesium+Manganese Sulphate IP eq. to elemental Manganese+Zinc Sulphate IP eq. to elemental Zinc	125mg+125 IU+ 10mg+0.5mg+2.5mg	Suspension
209	Pepsin IP+Vitamin B6 IP+Vitamin B12 IP+Niacinamide IP	10mg+0.5mg+2.5mcg + 22.5mg per 5ml	Syrup
210	Lactic Acid bacillus+Vitamin B6 IP+Vitamin B12 IP+Biotin USP+Niacinamide IP+Folic Acid IP	100 Million spores +1mg+5mcg+10mcg+ 25mg+5 00mcg	Hard Gelatin Capsules
211	Calcium citrate USP+Magnesium Hydroxide IP eq. to Magnesium+Zinc Sulphate Monohydrate eq. to Zinc+Vitamin D3 IP	1000mg+100mg+4mg + 200IU	Film Coated Tablets

S.No	Name of FDC	Strength	Dosage Form
212	Calcium Carbonate + Magnesium Hydroxide + Zinc Sulphate + Vitamin D3	500 mg+ 50 mg+ 10 mg+ 1000IU	Film Coated Tablet
213	Lactic Acid Bacillus + Folic Acid IP+ Cyanocobalamin IP	180 Million +1500 mcg +15mcg	Uncoated Dispersible tablet
214	Calcium with Vitamin D3 with Minerals) tablets (1250mg Calcium Carbonate from an organic source (Oyster Shell)+Vitamin D3 IP+Magnesium+ Manganese+Copper Sulphate USP+Zinc+Boron	500mg+250 IU +40mg+1.8mg+1.0mg + 7.5mg+250mcg	Film Coated Tablet
215	Vitamin A IP+Vitamin D3 IP+Vitamin B1 IP+Vitamin B2 IP+Vitamin B6 IP+D-Panthenol IP+Niacinamide IP+L-Lysine Monohydrochloride USP	1600 IU+100 IU+1mg+1mg+0.5mg +2mg+1.5mg+20mg	Syrup
216	Sodium Citrate IP+Citric Acid IP+Extract Ginger BP+Alcohol IP	70mg+35mg+0.04ml+ 0.125ml	
217	Ferric Amonium Citrate IP+Calcium Gluconate IP+Magnesium Sulphate IP+Alcohol as Spiril Chloroform IP	115mg+44mg+0.04m g+3%v/v	
218	Protein Hydrolysate 20%+Carbohydrate+ Niacinamide IP+Iron Choline Citrate+Magnesium Chloride IP+Manganese Chloride USP+Zinc Sulphate IP eq. to elemental Zinc+L-Lysine Monohydrochloride USP	0.333g+1.250g+10,00 0mg+15mg+3.333mg +0.033mg+ 2.7mg eq. to 0.600mg+20mg per 5ml	Oral Liquid (Source of Protein Hydrolysate should be mentioned on the label)
219	Lycopene 10%+Niacinamide IP+Folic Acid IP+Selenium+Zinc+Iodine+Copper+Vitamin B12 IP+Vitamin B6 IP	2000mcg+25mg+100 mcg+35mcg+3mg+ 100mcg+500mcg+ 1mcg+1.5mg	Syrup
220	Lycopene USP+Lutein USP+Sodium Selenate+Folic Acid IP+Zinc Sulphate IP+Vitamin B6 IP+Chromium Picolinate USP+Copper Sulphate BP	5000mcg+3mg+75mc g+1.5mg+23mg+1.5m g+ 100mg+1mg	Hard Gelatin Capsules
221	Calcium Citrate USP+Magnesium Hydroxide IP+Zinc Sulphate Monohydrate USP eq. to elemental Zinc+Vitamin D3 IP	1000mg+100mg+4mg + 200 IU	Film Coated Tablets
222	Potassium Citrate IP+Magnesium Citrate USP+Vitamin B6 IP	1100mg+375mg+ 20mg	Oral Solution

S.No	Name of FDC	Strength	Dosage Form
223	L-Arginine Hydrochloride USP+ L-Histidine Hydrochloride H2O BP+L-Isoleucine USP+L-Leucine + L-Lysine Hydrochloride USP+DL-Methionine BP+L-Phenylalanine USP+L-Threonine USP+L-Tryptophan USP+L-Valine USP+5-Hydroxy Anthranilic Acid Hydrochloride+Natural Betacarotene with other mixed carotenoids+Cholecalciferol IP+Pyridoxine Hydrochloride IP+Nicotinamide IP+Cyanocobalamin IP+Folic Acid IP+Zinc Ascorbate+Biotin USP	13.28mg+3.71mg+5.9 mg+18.3mg+25mg+18 .4mg+5mg+4.2mg+5mg+6.7mg+0.2mg+1000 mcg+400 IU + 1.5mg+25mg+2.5mcg +0.5mg+50mg+30mcg	Capsules
224	Protein Hydrolysate IP+Ferric Ammonium Citrate IP+Folic Acid IP+Cyanocobalamin IP+Zinc Sulphate IP+Copper Sulphate IP+Magnesium Sulphate IP+Lysine Mono Hydrochloride USP+Ascorbic Acid IP+Magnesium Oxide IP	1gm+200mg+5mg+15 mcg+44 .4mg+1mg+ 0.5mcg+ 20mg+50mg +0.5mg	Oral Liquid Syrup (Source of Protein Hydrolysate should be mentioned on the label)
225	Potassium Citrate IP+Magnesium Citrate USP+Vitamin B6 IP(Each ml contains approx 1 meq Magnesium Ion, 2 m eq. Potassium Ion and 3 m eq of Citrate Ion)	1100mg+375mg+20mg per 5ml	Oral Liquid Solution
226	Protein Hydrolysate IP+Ferric Ammonium Citrate IP+Calcium lactate IP+Folic Acid IP+ Cyanocobalamin IP+Zinc Sulphate IP+Sodium Selenite BP+Copper Sulphate IP+Magnesium Sulphate IP	100mg+75mg+50mg+ 0.5mg+2.5mcg+35mg +25mcg+25mcg+0.25 mg	Oral Liquid Syrup per 5ml (Source of Protein Hydrolysate should be mentioned on the label)
227	Ferric Ammonium Citrate IP+Calcium Gluconate IP+Copper Sulphate IP+Manganese Sulphate BP+Ginger Olepresin IP	57.5mg+25mg+0.02mg+ 0.02mg+0.01mg	Oral Liquid Syrup per 5ml
228	Calcium Carbonate IP eq. to elemental Calcium+Vitamin D3 IP+Magnesium (as Magnesium Hydroxide)	1250mg eq. to 500mg+200 IU+90mg	Film coated tablet
229	Calcium Carbonate IP derived from oyster shell eq. to elemental Calcium+Vitamin D3 IP+Magnesium Hydroxide IP	1.250gm eq. to 500mg+250 IU+100mg	Film Coated Tablets
230	Calcium Carbonate IP+Glucosamine Sulphate Potassium Chloride USP +Methyl Sulphonyl Methane USP +manganese Sulphate USP	250mg+500mg+ 250mg + 20mg	Film Coated tablets

S.No	Name of FDC	Strength	Dosage Form
231	Vitamin A Concentrate Powder (As Acetate) IP+Vitamin D3 IP+Potassium Iodide IP+Zinc Sulphate IP+Magnesium Oxide IP+Thiamine Mononitrate IP+Riboflavin IP+Pyridoxine HCl IP+Niacinamide IP+Ascorbic Acid (as Coated)+Calcium Pantothenate IP+Biotin BP+Methyl Cobalamin+Selenium Dioxide USP+Copper Sulphate BP+L-glutamic Acid BP	5000 IU+400 IU+ 0.2mg+40mg+30mg+ 10mg+5mg+2mg+50 mg+75mg+15mg+100 mcg+ 500mcg+ 70mcg+ 2mg+100mg	Film Coated Tablets
232	Methylcobalamin+Alpha Lipoic Acid USP+Chromium Polynicotinate eq. to elemental Chromium+Zinc ascorbate eq. to elemental Zinc+L-selenomonomethionine eq. to elemental selenium+Calcium Pantothenate IP+Vitamin E Acetate IP+Thiamine Mononitrate IP+Riboflavin IP+Pyridoxine Hydrochloride IP+Folic Acid IP	1500mcg+300mg+25 mcg+ 3mg+40mcg+ 12.5mg+15IU+4.5mg + 5mg+3mg+1.5mg	Film Coated Tablets
233	Vitamin A Palmitate IP+Vitamin D3 IP+Vitamin E Acetate IP+Thiamine Hydrochloride IP+Riboflavin 5 Sodium Phosphate IP+Pyridoxine HCL IP+Niacinamide IP+D-Panthenol IP+ Cyanocobalamin IP+Lysine Monohydrochloride USP+Zinc Gluconate USP eq. to elemental Zinc	3000 IU+300IU+2.5 IU+1mg+0.7mg+1mg +10mg+2.5mg+1mcg +10mg+2mg	Oral Liquid
234	Vitamin A Palmitate IP+Vitamin D3 IP+Thiamine HCL IP+Riboflavin 5 Phosphate Sodium IP+Pyridoxine HCL IP+Cyanocobalamin IP+D- Panthenol IP+Niacinamide IP+Vitamin C IP+Glutamic Acid BP	3000 IU+400 IU+ 1mg+2mg+1mg+3mc g+2.5mg+15mg+40m g+50mg	Oral Liquid per 5 ml
235	Pyridoxal-5-Phosphate+ Magnesium Oxide IP	25mg+200mg	Hard Gelatin Capsules
236	Ubidecarenone BP+Lycopene USP+L-Arginine IP+N-Acetyl cysteine USP+Sodium selenite eq. to selenium+Zinc Sulphate Monohydrate USP+Piperine	100mg+5000mcg+10 0mg+100mg+70mcg+ 61.8mg+ 5mg	Hard geletin capsules
237	Vitamin D3 IP+ Vitamin B6 IP+Mecobalamin JP+ Niacinamide IP+ Folic Acid IP+ Chromium Picolanate USP+ Sodium Molybdate USP+ Manganese Sulphate USP+ Zinc Sulphate monohydrate USP+ Cupric Sulphate USP+ Sodium Selenite BP+ Magnesium Oxide IP+Mixed Carotenoids (20%)	1000 IU+1.5mg+ 500mcg+ 50mg+ 1.5mg+250mcg+ 25mcg+1.5mg+55mg +2mg+70mcg+50mg+ 11mg	Film coated tablets
238	Alpha Lipoic Acid USP+Folic Acid IP+Pyridoxine Hcl IP+Lactic Acid bacillus spores+Mecobalamin JP+Thiamine Mononitrate IP	100mg+1.5mg+3mg+ 40 Million+500mcg+ 10mg	Film Coated Tablets

S.No	Name of FDC	Strength	Dosage Form
239	Vitamin A (as vitamin A concentrate oily form)+ Cholecalciferol IP+Tocopheryl Acetate IP+ Nicotinamide IP+Riboflavine Sodium Phosphate IP+Thiamine Hcl IP+Pyridoxine Hcl IP+Ascorbic Acid IP+L-Cysteine Hcl USP+Benzyl Alcohol IP	1100 IU+100 IU+ 0.5mg+10mg+1.4mg+ 5mg+1.65mg+50mg+ 0.2mg+1.0%v/v	Injection
240	L-carnitine L-Tartrate eq. to L-Carnitine+ Ubidecnone BP+ Lycopene+ Zinc Sulphate Monohydrate IP+ Disodium Adenosine Triphosphate+ Folic Acid IP+ Sodium Selenite anhydrous eq. to elemental selenium	500mg+100mg+5000 mcg+ 12.5mg+ 20mg+1.5mg+ 100mcg	Film coated Tablets
241	Calcium carbonate 1000mg from organic source (Oyster shell) eq. to elemental Calcium 400 mg+Heavy magnesium oxide IP 150mg eq. to elemental magnesium 90mg+Zinc Sulphate Monohydrate IP 13.75mg eq. to elemental Zinc 5 mg +L-Lysine Hcl USP 100 mg+Pyridoxine hcl IP 1.5 mg+Cholecalciferol IP 200 IU	400mg+90mg+5mg+1 00mg+1.5mg + 200 IU	Film coated Tablets
242	Natural Beta carotene with other mixed carotenoids+L-Cysteine HCl Monohydrate USP eq. to L-Cysteine+L-Glutamic Acid BP+Glycine IP+Zinc Sulphate IP+Magnesium Sulphate USP+Manganese Sulphate USP+Copper Sulphate pentahydrate BP+Chromium Polynicotinate+Sodium Selenite pentahydrate BP eq. to elemental selenium+Alpha Lipoic Acid USP	3000mcg+32mg+40m g+25mg+17.45mg+11 .5mg+1.12mg+0.8mg +0.2mg+ 65mcg+100 mg	Soft gelatin capsules
243	L-Arginine HCl USP+L-Histidine HCl BP+L- Isoleucine USP+L- Leucine +L-Lysine Hcl USP+DL- Methionine BP+L-Phenylalanine USP+L-Threonine USP+L-Tryptophan USP+L-Valine USP+5-Hydroxy Anthranilic Acid HCl+Cholecalciferol IP+Nicotinamide IP+Pyridoxine Hydrochloride IP+Methylcobalamin+Biotin USP+Folic Acid IP+Copper Sulphate IP+Ferrous Sulphate IP+Magnesium Sulphate USP+Manganese Sulphate USP+Potassium Iodide IP+Sodium Selenite IP+Zinc Sulphate IP+Chromium Polynicotinate	13.28mg+3.71mg+5.9 mg+ 18.3 mg+ 25mg+ 18.4mg+5mg+4.2mg+ mg+6.7mg+0.2mg+20 IU+25mg+1.5mg+500 mcg+30mcg+0.75mg +4mg+20.5mg+7.43m g+1.4mg+0.1mg+10m cg+15mg+ 200mcg	Capsules
244	Calcium Citrate USP 1000 mg + Magnesium Hydroxide IP eq. to elemental Magnesium 100 mg + Zinc Sulphate monohydrate USP eq. to elemental Zinc 4 mg + Vitamin D3 IP 200 IU	1000 mg + 100 mg + 4 mg + 200 IU	Uncoated tablets

S.No	Name of FDC	Strength	Dosage Form
245	Alpha Lipoic Acid USP+Folic Acid IP+Pyridoxine HclIP+Thiamine Mononitrate IP+mecobalamin JP+Lactic Acid Bacillus	100mg+1.5mg+3mg+10mg+5 00mcg+40 Million spores	Film Coated Tablets
246	Vitamin A Acetate IP+Vitamin E Acetate IP+Vitamin B6 IP	10,000 IU+250mg(25 IU)+3mg	Sugar coated tablets
247	Methylcobalamin JP+Folic Acid IP+Co enzyme Q 10+Elemental Zinc (Zinc Bisglycinate)+Elemental Selenium (Selenmethionine USP)+Lycopene (10% Dispersion)+Docosahexanoic Acid	1500mcg+5mg+120mg+15mg+70mcg+100 mg+ 200mg	Soft Gelatin Capsules
248	Vitamin A IP+Vitamin D3 IP+Vitamin B1 IP+Vitamin B2 IP+Vitamin B6 IP+Niacinamide IP+Calcium Pantothenate IP	800 IU+50 IU+0.5mg+0.5mg+0.5mg+7.5mg+1.0mg	Sugar coated tablets
249	Folic Acid IP-5 mg+Vitamin B12 IP-1mcg+Docosahexanoic Acid-200 mg+Vitamin B6 IP1.5 mg-soft gelatin capsule	5 mg+1mcg+200 mg+1.5 mg	capsule
250	Each 5 ml contains:Protein hydrolysate 20% IP-350 mg+L-Lysin mono HCl USP-20 mg+Ferric ammonium citrate IP-25 mg+Niacinamide IP -5 mg+Vitamin B1 IP1 mg+Vitamin B2 IP-0.5 mg+Vitamin B6 IP-0.5 mg+Vitamin B12-1.5mcg+Magnesium chloride IP-0.1 mg+Zinc chloride IP-0.1 mg +Papain IP-1.5 mg	350 mg+20 mg+25 mg+5 mg+1 mg+0.5 mg+0.5 mg+1.5mcg+0.1 mg+0.1 mg +1.5 mg	syrup (Label should declare the source for the Protein hydrolysate)
251	Ferric Ammonium Citrate IP-160 mg (Eq to elemental Iron 32 mg)+Vitamin B 12 IP-7.5 mcg+Folic Acid IP0.5 mg+Zinc Sulphate Monohydrate USP-20.61mg	160 mg (Eq to elemental Iron 32 mg)+7.5 mcg+0.5 mg+20.61mg	soft gelatin capsule
252	Vitamin A acetate IP-5000IU+ Vitamin E Acetate IP-25 IU+ Thiamine mononitrate IP-10 mg+Riboflavin IP-10 mg+Pyridoxin hydrochloride IP-3 mg + Cyanocobalamine IP-5mcg + Folic acid IP-1 mg+NiacinamideIP-50mg+Folic acid-1mg + Calcium pantothenate IP-12.5 mg+Zinc oxide (Eq. to Zinc)-15 mg + Cupric oxide eq. to Copper-2.5 mg + Sodium selenite eq. to selenium-60 mcg + Manganese Chloride equ. to manganese-1.4 mg + Chromium chloride eq. to Chromium-65 mcg-film coated tablet	5000IU+ 25 IU+ 10 mg+ 10 mg+3 mg + 5mcg + 1 mg+ 50mg+1mg + 12.5 mg+15 mg + 2.5 mg + 60 mcg + 1.4 mg + 65 mcg	film coated tablet

S.No	Name of FDC	Strength	Dosage Form
253	Calcitriol IP- 0.25 mcg+Methylcobalamin-1500 mcg+Folic Acid IP-500 mcg+Boron (as Disodium Tetraborate)-1.5 mg+Calcium Carbonate IP eq. to Elemental Calcium-200 mg+Fish Oil, Rich in Omega-3 Acid BP containing Eicosapentaenoic Acid 180 mg+Docosahexaenoic Acid-120 mg-soft gelatin capsule	0.25 mcg+1500 mcg+ 500 mcg+1.5 mg+200 mg+ 180 mg+120 mg	soft gelatin capsules
254	Mecobalamin (as sustained release)-1500 mcg+Folic acid IP-1.5 mg + Pyridoxine Hydrochloride IP-3 mg+ Vitamin D3 IP-1000 IU-film coated tablet	1500 mcg+1.5 mg + 3 mg+ 1000 IU	Film coated tablets
255	Each 5 ml contains:Ferrous Gluconate IP(Eq. to elemental iron 15 mcg)-129.5 mg+Vitamin B12 IP- 1.25 mcg+Folic acid IP-0.25 mg+calcium lactate IP- 75 mg	129.5 mg eq. to 15 mcg +1.25 mcg+0.25 mg+75 mg	Syrup
256	Adenosine triphosphate disodium JPC(as enteric coated microsules)-20 mg+ Ubidecaranone(Co enzyme Q10) BP-30 mg+ L-Arginine USP-200 mg+Zinc USP-10 mg+Selenium(as selenious acid) USP-50 mcg-hard gelatin capsule	20 mg+ 30 mg+200 mg+ 10 mg+-50 mcg	hard gelatin capsules
257	Each 5 ml contains:Iron(III)-Hydroxide Polymaltose complex eq. to elemental Iron-50 mg+ Vitamin B12 IP5 mcg+Folic Acid IP-200 mcg+zinc sulphate IP-10 mg	50 mg+ 5 mcg+200 mcg+10 mg	Syrup
258	Thiamine HCl IP 2mg+Pyridoxine HCl IP 0.75mg+ Nicotinamide IP 15mg+Riboflavin Sodium Phosphate IP 2.5mg+D-Panthenol IP 3mg+ Cyanocobalamin IP 1.0mcg+Zinc Sulphate IP eq. to elemental Zinc 4mg	2mg+0.75mg+15mg+ 2.5mg+ 3mg+ 1.0mcg+4mg per 5ml	Syrup
259	Benfotiamine 150mg+ Methylcobalamin JP 1500mcg+Alpha Lipoic Acid USP 100mg+Inositol USP 150mg+Chromium Polynicotinate (As Chromium Picolinate USP) 200mg	150mg+ 1500mcg+100mg+15 0mg+ 200mg	soft gelatin capsules
260	L-Methylfolate 1000mcg+Methylcobalamin 1500mcg+Pyridoxal-5-Phosphate 500mg+ Docosahexanoic (DHA) (40%) 200mg+Vitamin D3 IP 2000 IU	1000mcg+1500mcg+ 500mg+200mg+ 2000 IU	soft gelatin capsules
261	Calcium Carbonate USP eq. to Elemental calcium+Magnesium Hydroxide IP eq to elemental magnesium+Zinc Sulphate IP+Vitamin D3 IP	1250mg eq. to 500mg+240mg eq to 100mg+17.6mg+250 IU	Film Coated Tablets

S.No	Name of FDC	Strength	Dosage Form
262	Benfothiamine+Vitamin A Acetate IP+Riboflavin IP+Pyridoxine Hcl IP+Cyanocobalamin IP+Ascorbic Acid IP+Vitamin D3 IP+Vitamin E Acetate IP+Folic acid IP+Nicotinamide IP+Calcium Pantotenat IP+Biotin USP+Selenium Dioxide USP+Chromium Picolinate USP+Magnesium Oxide USP+Maganese sulphate monohydrate USP+ Colliodal Silicon Dioxide IP eq. to Silica+ Potassium Iodine IP eq. to Iodine+Copper Sulphate USP+Zinc sulfate monohydrate USP+Sodium Molybdate dihydrate eq. to Molybdenum	2mg+5000 IU+10mg+2mg+7.5mcg+ 75mg+400 IU+15mg+1.5mg+50mg+50mg+150mcg+70mcg+250 mcg+30mg+2.8mg+1 mg+150mcg+2mg+63mg+25mcg	Tablets
263	1250mg of Calcium Carbonate from an organic Source (Oyster Shell) eq. to elemental Calcium+ Vitamin D3 IP+Elemental Magnesium (as heavy Magnesium oxide IP)+Elemental Manganese as heavy Manganese Sulphate USP)+Elemental Zinc (Zinc Sulphate USP)+Elemental Copper (Copper Sulphate IP)	500mg+400 IU+40mg+2mg+7.5mg+1 mg	Film Coated Tablets
264	Vitamin B6 IP+Niacinamide IP+Lysine Hcl+ Cholecalciferol IP+Zinc Sulphate Monohydrate IP+Vitamin B12 IP+Potassium Iodide IP+Copper Sulphate Pentahydrate BP+Folic Acid IP+Biotin USP+Ferrous Gluconate IP+Manganese Sulphate Monohydrate BP+Sodium Molybdate+Chromium Chloride	1mg+25mg+50mg+40 IU+5mg+2.5mcg+50 mcg+50mcg+500mcg +15mcg+5mg+1mg+1 0mcg+10mcg	Oral Liquid
265	Asian Ginseng Extract Powder USP+Calcium Gluconate IP+Ferric Ammonium Citrate IP+Vitamin D3 IP+L-Lysine HCl USP+Vitamin B6 IP+Vitamin B12 IP+Folic Acid IP+Niacinamide IP+Zinc Gluconate USP	25mg+100mg+25mg+200IU+50mg+1.0mg+7.5mcg+500mcg+25 mg+34.90mg	Oral Liquid
266	Soya Isoflavones 40% +Calcium Carbonate IP eq. to Calcium+Magnesium Hydroxide IP 100mg eq. to Magnesium+Vitamin D3 IP	75mg+625 mg eq. to 250mg+100mg eq. to 41.7mg+100 IU	film coated tablet
267	Vitamin D3 IP+Pyridoxine Hydrochloride (Vitamin B6) IP+Niacinamide IP+Cyanocobalamin (Vitamin B12) IP+Folic acid IP+Ferric ammonium citrate IP Eqvt. to elemental Iron+Copper Gluconate USP Eqvt. to elemental Copper+Magnesium Sulphate IP Eqvt. to elemental Magnesium+Zinc Gluconate USP Eqvt. to elemental Zinc	200IU+0.6mg+5mg+1 mg+50mcg+2mg+100 mcg+5mg+1 mg per ml	Drops

S.No	Name of FDC	Strength	Dosage Form
268	Ferrous Fumarate IP eq. to elemental iron+Vitamin B12 (as coated)+Folic acid IP+Pyridoxine Hydrochloride IP+Copper sulphate USP eqvt. to elemental copper+Zinc sulphate monohydrate USP eqvt. to elemental Zinc+Magnesium Hydroxide IP eqvt. to elemental magnesium+Manganese sulphate USP eqvt. to elemental manganese	91.26mg eq to 30mg+15mcg+1.5mg +3mg+5.9mg eq. to 1.5mg+55mg eq. to 20mg+72mg eq. to 30mg+6.15mg eq. to 2mg	hard Gelatin Capsules
269	Elemental Iron(As Ferric ammonium citrate IP)+Elemental Zinc (As Zinc Gluconate USP)+Elemental Copper(As Copper Gluconate USP)+Elemental Selenium(as sodium selenate)+Pyridoxine Hydrochloride IP (Vit. B6)+Niacinamide IP+Vitamin B12 IP (as Cynocobalamine IP)+Folic acid IP	30mg as 146mg+ 12mg+1mg+60mcg+3 mg+45mg+15mcg+15 00mcg per 10ml	Liquid
270	Calcium carbonate IP eqvt. to elemental calcium+ Magnesium Hydroxide IP eqvt. to elemental Magnesium+Zinc Gluconate USP eqvt. to elemental Zinc+Vitamin D3 IP	625mg eq. to 250mg+180mg eq. to 75mg+14mg eq. to 2mg+200 IU per 5ml	Suspension
271	Calcium Phosphate IP eqvt. to elemental calcium eqvt. to elemental phosphorus+Magnesium Hydroxide IP eqvt. to elemental Magnesium+ Zinc Gluconate USP eqvt. to elemental Zinc+Vitamin D3 IP	300mg eq. to 150mg+75mg+4mg+2 00 IU	Suspension
272	Vitamin D3 IP+Pyridoxine Hydrochloride IP+Cyanocobalamin (Vitamin B12) IP+Niacinamide IP+L-Lysine Hydrochloride USP+Ferrous Gluconate IP eqvt. to elemental Iron+Zinc Gluconate USP Eqvt. to elemental Zinc+Magnesium Gluconate USP eqvt. to elemental Magnesium	100 IU+1mg+1.5mcg +5mg+ 75mg+ 42.85mg eq. to 5mg+34.85mg eq. to 5mg+185.41mg eq. to 10mg per 5ml	Syrup
273	Betacarotene (as preparation)+Vitamin D3 (as stabilizers)+Pyridoxine Hydrochloride IP+Folic Acid IP+Vitamin B12 (as coated)+Niacinamide IP+ Ferrous Fumarate IP eqvt. to elemental Iron+ Zinc sulphate Monohydrate USP eqvt. to elemental Zinc+ Copper sulphate USP eqvt. to elemental copper+ Magnesium Hydroxide IP eqvt. to elemental magnesium+Manganese Sulphate USP eqvt. to elemental Manganese+Chromium Trichloride Hexahydrate USP eqvt. to elemental Chromium+Sodium Selenate eqvt. to elemental Selenium+Potassium Iodide IP Eqvt. to elemental Iodide+L-Cystine BP+L-Carnitine Tartrate Citrus Bioflavonides (as preparation)	3mg+800 IU+3mg+ 1.5mg+15mcg+ 50mg+30mg eq. to 10mg+41.2mg eq. to 15mg+5.9mg eq. to 1.5mg+240mg eq. to 100mg+12.4mg eq. to 4mg+75mcg+200mcg + 197mcg eq. to 150mcg+33mg+30mg + 50mg	Film Coated Tablets

S.No	Name of FDC	Strength	Dosage Form
274	Calcium carbonate IP eqvt. to elemental calcium+Magnesium hydroxide IP Eqvt. to elemental Magnesium+Zinc sulphate Monohydrate USP Eqvt. to Elemental Zinc+Vitamin D3 (as Stabilised)	1000mg eq. to 400mg+240mg eq. to 100mg+11mg eq. to 4mg+200 IU	Film Coated Tablets
275	Calcium carbonate IP eqvt. to elemental calcium+Magnesium Hydroxide IP eqvt. to Elemental Magnesium+Zinc Sulphate Monohydrate USP eq. to Elemental Zinc+Vitamin D3 (as stabilised)	1000mg eq. to 400mg +240mg eq. to 100mg+13.75mg eq. to 5mg+200 IU	Film Coated Tablets
276	625mg calcium carbonate from an organic source (oyster shell) eqvt. To elemental calcium+L-Lysin Monohydrate USP+Zinc gluconate USP eqvt. To elemental Zinc+Vitamin D3	250mg+50mg+38.33 mg eq. to 5mg+125 IU per 5ml	Syrup
277	Coenzyme Q10 (ubidecarenone USP)+Eicosapentaenoic acid+Doocosahexaenoic acid+Lycopene+Selenium (as selnium dioxide USP)	100mg+90mg+60mg+ 4000mcg+70mcg	Soft GelatinCapsules
278	Yeast Extract+L-Lysine Hydrochloride+Pyridoxine Hydrochloride (Vitamin B6)+Cyanocobalamin (Vitamin B12)+Alcohol	175mg+100mg+0.75 mg+ 0.5mcg+1.75ml per 15ml	
279	Protein Hydrolysate 20% IP+L-lysine Mono Hydrochloride USP+Ferric Ammonium Citrate IP+Niacinamide IP+Vitamin B1 IP+Vitamin B2 IP+Vitamin B6 IP+Vitamin B12 IP+Magnesium Chloride IP+Zinc Chloride IP	350mg+20mg+25mg+ 5mg+1 mg+0.5mg+ 0.5mg+1.5mcg+0. 1mg+15mg	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
280	Ferric ammonium Citrate IP+L-Lysine Hydrochloride USP+Niacinamide IP+D-Panthenol IP+Pyridoxine Hydrochloride IP+Folic Acid IP+Cyanocobalamine IP+Elemental Zinc	150mg+50mg+45mg+ 5mg+1.5mg+1mg+7.5 mg+10mg	Syrup (If the dose of Vitamin B12 is 7.5 mcg)
281	Vitamin A Acetate IP+Cholecalciferol IP+Thiamine Mononitrate IP+Riboflavine IP+Pyridoxine Hcl IP+Nicotinamide IP+Calcium Pantothenate IP+Cyanocobalamin IP+Vitamin C IP+Alpha Tocopheryl Acetate IP+Biotin USP+Tribasic Calcium Phosphate IP+Magnesium Oxide Light IP+Dried Ferrous Sulphate IP+Manganese Sulphate Monohydrate BP+Total Phosphorous in the preparation+Copper Sulphate Pentahydrate BP+Zinc Sulphate IP+Sodium Molybate dehydrate BP+Sodium Borate BP	10000 IU+1000 IU+ 10mg+10mg+3mg+ 100mg+16.3mg+15m cg+150mg+25mg+0.2 5mg+ 129mcg mg+60mg+32.04 mg+2.03mg+25.80mg +3.39mg+2.20mg+0.2 5mg+0.88mg	Sugar Coated Tablets

S.No	Name of FDC	Strength	Dosage Form
282	Calcium carbonate IP+Magnesium Hydroxide IP+Zinc sulphate monohydrate USP+Vitamin D3 IP	1000mg+240mg+11mg+ 100 IU	Film Coated tablets
283	Proteolysed liver (derives from not less than 0.24 g of fresh liver having Vitamin B12 activity eq. to 0.16mcg)+Peptone+Peptonised Iron (eq. to 3.95mg of elemental Iron)+Iron and Ammonium Citrate IP (eq. to 7mg of elemental Iron)+Folic Acid IP+Ethanol (95%) IP)	40mg+20mg+23.24mg+34.14mg+0.17mg+0.12ml	Liquid Oral (Label should declare the source for the proteolysed Liver)
284	Iodised Peptone (representing 33mcg of Iodine)+Magnesium Chloride IP eq. to 0.8mg of Magnesium+Manganese Sulphate BP eq. to 0.33mg of Manganese+ Sodium Metavanadate+Zinc Sulphate IP eq. to 2.5mg Zinc+Pyridoxine Hcl IP+ Cyanocobalamin IP+Nicotinamide IP+Ethanol (95%) IP	0.322mg+6.67mg+1.33mg+0.22mg+10.71mg+0.25mg+0.167mcg+3.33mg+0.317ml	Liquid Oral
285	Iodised Peptone (eq. to 33mcg of Iodine)+Magnesium Chloride IP eq. to 0.8mg of Magnesium+Manganese Sulphate BP eq. to 0.33mg of Manganese+Potassium Guaiacolsulfonate USP+Zinc Sulphate IP eq. to 2.5mg of Zinc+Pyridoxine Hcl IP+Cyanocobalamin IP+Nicotinamide IP+Ethanol (95%) IP)	0.322mg+6.67mg+1.33mg+83.3mg+10.71mg+0.25mg+0.167mcg+3.33mg+0.317ml	Liquid Oral
286	Iodised Peptone (representing 3mg of Iodine)+Magnesium Chloride IP eq. to 2.4mg of Magnesium+Manganese Sulphate BP eq. to 1mg of Manganese+Sodium Metavanadate+Zinc Sulphate IP eq. to 1.4mg Zinc+Pyridoxine Hcl IP+ Cyanocobalamin IP+Nicotinamide IP+Alcohol (95%) IP)	29mg+20mg+4mg+0.66mg+6.00mg+0.75mg+0.50mcg+10.00mg+0.95ml	Liquid Oral
287	Calcium Lactobionate USP eq. to 35mg of calcium+Iodised Peptone (eq. to 33mcg of Iodine)+Magnesium Chloride IP eq. to 0.8mg of Magnesium+Manganese Sulphate BP eq. to 0.33mg of Manganese+Sodium Metavanadate+Zinc Sulphate IP eq. to 2.5mg of Zinc+Pyridoxine Hcl IP+Nicotinamide IP	700mg+0.32mg+6.66mg+1.33mg+0.22mg+10.7mg+0.5mg+7.5mg	Liquid Oral
288	Iodised Peptone (eq. to 6.7mcg of Iodine)+Magnesium Chloride IP eq. to 0.16mg of Magnesium+ Manganese Sulphate BP eq. to 0.067mg of Manganese+Zinc Sulphate IP eq. to 0.49mg Zinc+Pyridoxine Hcl IP+Nicotinamide IP	0.065mg+1.33mg+0.27mg+2.1mg+0.25mg+2.5mg	Liquid Oral

S.No	Name of FDC	Strength	Dosage Form
289	Calcium Lactobionate USP eq. to 0.87g of Calcium Gluconate+Calcium Gluconate IP+Cholecalciferol IP+Cyanocobalamin IP+Magnesium Chloride IP eq. to 2.5mg of elemental Magnesium)	1.50g+0.25g+200 IU+2.5mcg+21.25mg	Liquid Oral
290	Calcium Lactobionate USP eq. to elemental Calcium 4mg+Calcium Carbonate IP eq. to elemental Calcium 246mg IP+Cholecalciferol IP+ Cyanocobalamin IP+Magnesium Chloride IP eq. to 2.5mg of elemental Magnesium)	78.8mg+615mg+200 IU+2.5mcg+21.25mg	Liquid Oral
291	Peptonised Iron eq. to 30mg of elemental Iron+ Protein (As Peptone)+Folic Acid IP+Vitamin B12 IP)	176.5mg+100mg+200 mcg+2. 5mcg	Liquid Oral
292	Peptonised Iron eq. to 20mg of elemental Iron+Protein (As Peptone)+Folic Acid IP+Vitamin B12 IP)	117.67mg+30mg+200 mcg+4 mcg	Liquid Oral
293	Vitamin A(As Acetate) IP+Riboflavin IP+Niacinamide IP+Calcium Pantothenate IP+Pyridoxal-5-Phosphate +L-Methyl folate+Methylcobalamin+Biotin+Vitamin D3 IP+Sodium Borate BP eq. to elemental Boron+Calcium Bis-glycinate eq. to elemental Calcium+Copper Sulphate USP eq. to elemental copper+Chromium Polynicotinate eq. to Chromium+Potassium Iodide IP eq. to elemental Iodine+Ferrous Bis-glycinate eq. to elemental Iron+Manganese Sulphate Eq. to elemental Manganese+Selenomethionine eq. to elemental Selenium+Zinc Acetate USP eq. to elemental Zinc)	5000 IU+5mg+50mg+ 25mg+5mg+0 .75mg+ 1.5mg+5mg+500 IU+0.25 mg+ 60mg+ 0.45mg+35mcg+75m cg+ 30mg+0.9mg+ 55mcg+11mg	Capsules
294	Vitamin A Acetate IP+Thiamine Mononitrate IP+Riboflavin IP+Pyridoxine Hcl IP+Cyanocobalamin IP+Vitamin C IP+Vitamin D3 IP+Vitamin E Acetate IP+Folic acid IP+Calcium Pantothenate IP+Niacinamide IP+Potassium Iodide IP eq. to elemental Iodine+Zinc Sulphate Monohydrate USP eq. to Elemental Zinc+Magnesium Hydroxide IP+Ferrous Fumarate IP eq. to elemental Iron+Copper Sulphate USP eq. to elemental Copper+Manganese Sulphate Eq. to Manganese+Chromium Chloride USP eq. to Elemental Chromium+Sodium Borate BP eq. to elemental Boron+Sodium Selenate Eq. to Elemental Selenium	5000 IU+10mg+5mg +3mg+15mcg+ 150mg+400 IU+ 20mg+1.5mg+5mg+ 60mg+100mcg+15mg +40mg+5mg+1.5mg+ 3mg+200mcg+1 mg+100mcg	Capsules

S.No	Name of FDC	Strength	Dosage Form
295	Beta Carotene 30% dispersion+Wheat Germ Oil Bp+ Zinc Ascorbate+Pyridoxine Hcl IP+ Cyanocobalamin IP+Folic Acid IP+Selenium+Manganese +Copper+ Magnesium+ Chromium+Biotin USP+Omega 3-Fatty Acids (EPA90mg, DHA-60mg)	10mg+100mg+95mg+3mg+5mcg+1.5mg+100mcg+3mg+0.5mg+40mg+200mcg+100mcg+300mg	Soft Gelatin Capsules
296	Betacarotene 20% Dispersion+Lutein ester+Vitamin E Acetate IP+Vitamin C IP+Copper (as Copper Sulphate Pentahydrate BP)+Manganese (As Manganese Sulphate Monohydrate USP)+Selenium (As Selenous Acid USP)+Zinc (As Zinc Sulphate Monohydrate USP)+Chromium (As Chromium Chloride USP)	10mg+6mg+25mg+150mg+2 mg+1.5mg+75mcg+15mg+60 mcg	Film Coated Tablets
297	Calcium Citrate USP+Magnesium Hydroxide IP eq. to Elemental Magnesium+Zinc Sulphate Monohydrate IP eq. to Elemental Zinc+Vitamin D3 IP	1000mg+100mg+4mg +400 IU	Uncoated Tablets
298	Proteolysed Liver extract+Proteolysed Meat extract+Ovolecithin+Ferrous Gluconate IP+Creosote IP+Guaiacol+Alcohol IP	50mg+120mg+1.3mg +5mg+0.001ml+0.000 25mg+9% v/v per 10ml	Liquid Orals (Label should declare the source for the proteolysed Liver/Meat)
299	Lycopene 10%+Vitamin B12 IP+L-Arginine IP+Zinc Sulphate Monohydrate IP+L-selenium Monomethionine	2000mcg+15mcg+50 mg+ 27.45mg+50mcg	Capsules
300	Calcium Carbonate IP eq. to Elemental calcium+Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Sulphate Monohydrate eq. to elemental Zinc+Vitamin D3 (as stabilized)	250mg+90mg+4mg+2 00 IU	Film Coated Tablets
301	Calcium Carbonate IP eq. to Elemental calcium+Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Sulphate Monohydrate eq. to elemental Zinc+Vitamin D3 (as stabilized)+L-Lysine HCl USP+Sodium Borate BP eq. to elemental Boron+Sodium Selenate eq. to elemental selenium+Copper Sulphate USP eq. to elemental copper	500mg+75mg+4mg+ 200IU+25mg+1mg+3 5mcg+1mg	Film Coated Tablets
302	Calcium Carbonate IP eq. to elemental Calcium+Isoflavones 40%+Magnesium Hydroxide IP eq. to elemental Magnesium+Vitamin D3 IP	800mg eq. to 320mg+ 100mg+120mg eq. to 50mg+200 IU	Film Coated Tablets

S.No	Name of FDC	Strength	Dosage Form
303	Betacarotene (as preparation)+Vitamin D3 (as stabilizes)+Pyridoxine Hydrochloride IP+ Para aminobenzoic acid + Niacinamide IP+Folic Acid IP+Biotin USP+Vitamin B12 (as coated)+Ferrous Fumarate IP eqvt. to elemental Iron+ Zinc sulphate Monohydrate USP eqvt. to elemental Zinc+ Magnesium Hydroxide IP eq. to elemental Magnesium+Manganese Sulphate USP eq. to elemental Manganese+Copper sulphate USP eq. to elemental Copper+Chromium Trichloride USP eq. to elemental Chromium+Sodium Selenate eq. to elemental Selenium+Sodium Borate eq. to elemental Boron+Potassium Iodide IP eq. to elemental Iodine	3mg+100IU+40mg+30mg+ 30mg+2.5mg+30mcg+ 15mcg+45.63mg eq to 15mg+41.2mg eq to 15mg+155mg eq to 65mg+6.16mg eq to 2mg+4mg eq to 1mg+50mcg+ 100mcg+17.7mg eq. to 2mg+295mcg eq. to 225mcg	Hard Gelatin Capsules
304	Betacarotene 6% preparation(As Betacarotene)+ Vitamin D3 (as stabilizes)+Pyridoxine Hydrochloride IP+Niacinamide IP+Folic Acid IP+Vitamin B12 (as coated)+Ferrous Fumarate IP eqvt. to elemental Iron+ Zinc sulphate Monohydrate USP eqvt. to elemental Zinc+Magnesium Hydroxide IP eq. to elemental Magnesium+Copper sulphate USP eq. to elemental Copper+Chromium Amino Acid Chelate eq. to elemental Chromium+Potassium Iodide IP eq. to elemental Iodine	50mg as 3mg+400IU+40mg+30mg+ 1.5mg+15mcg+61mg eq. to 20mg+41.20mg eq. to 15g+240mg eq. to 100mg+4mg eq. to 1mg+50mcg+131mcg eq. to 100mcg	Hard Gelatin Capsules
305	Calcium Carbonate IP eq. to Elemental calcium+Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Sulphate Monohydrate eq. to elemental Zinc+Vitamin D3 (as stabilized)	1000mg eq. to 400mg+240mg eq. to 100mg+13.75mg eq. to 5mg+200 IU	Film Coated Tablets
306	Pyridoxine Hydrochloride IP+Vitamin D3 IP+Vitamin B12 (as coated)+Nicotinamide IP+Folic Acid IP+Biotin USP+Ferrous Fumarate IP eqvt. to elemental Iron+ Zinc sulphate Monohydrate USP eqvt. to elemental Zinc+Copper sulphate USP eq. to elemental Copper+Manganese Sulphate USP eq. to elemental Manganese+Potassium Iodide IP eq. to elemental Iodine+Magnesium Hydroxide IP eq. to elemental Magnesium+Sodium Selenate eq. to Elemental Selenium	3mg+400 IU+15mcg+45mg+1500mcg+150mcg+30mg+20mg+1mg+1mg+120mcg+100mg+ 100mcg	Film Coated Tablets
307	Calcium Carbonate IP eq. to elemental Calcium+ Magnesium Hydroxide IP eq. to elemental Magnesium+Zinc Gluconate USP eq. to elemental Zinc+Vitamin D3 BP	625mg eq. to 250mg +192mg eq. to 80mg+35mg eq. to 5mg+200 IU	Oral Suspension
308	Pyridoxine Hcl IP+Nicotinamide IP+Cyanocobalamin IP+Folic Acid IP+Chromium Picollinate USP+Selenium (As Selenious acid USP)+Zinc Sulphate Monohydrate IP+Inositol+Lycopene (10%)	3mg+100mg+15mcg+1mg+25 0mcg+100mcg+ 61.80mg+100mg+3mg	coated tablets with gelatin. (The content of elemental chromium should be less than 200 mcg)

S.No	Name of FDC	Strength	Dosage Form
309	Pyridoxine Hcl IP+Nicotinamide IP+ Cyanocobalamin IP+Folic Acid IP+Chromium Picollinate USP+Selenium (As Selenious acid USP)+Zinc Sulphate Monohydrate IP+Lycopene (10%)	3mg+100mg+15mcg+ 1.50mg+250mcg+100m cg+ 61.80mg+5mg	coated tablets with gelatin. (The content of elemental chromium should be less than 200 mcg)
310	Pyridoxine Hcl IP+Nicotinamide IP+ Cyanocobalamin IP+Folic Acid IP+Chromium Picollinate USP+Selenium (As Selenious acid USP)+Zinc Sulphate Monohydrate IP	3mg+100mg+15mcg+ 1.50mg+250mcg+100m cg+ 61.80mg	coated tablets with gelatin. (The content of elemental chromium should be less than 200 mcg)
311	Vitamin A IP+Vitamin D IP+Vitamin B1 IP+Vitamin B2 IP+Vitamin B6 IP+Calcium Pantothenate IP+Niacinamide IP+Vitamin C IP+Folic Acid IP	10000 IU+1000 IU+ 5mg+5mg+2mg+5mg+ 50mg+150mg+1mg	Sugar coated tablets
312	Calcium Carbonate IP (from an Organic Source oyster Shell) 1250mg eq. to elemental Calcium+Vitamin D3 IP+Magnesium (as Magnesium Hydroxide IP)+Zinc (As Zinc Sulphate USP)	500mg+200 IU+ 90mg+4mg	Film Coated Tablets
313	Calcium Citrate USP+Magnesium Hydroxide IP eq. to Elemental Magnesium+Zinc Sulphate Monohydrate IP eq. to Elemental Zinc+Vitamin D3 IP	1000mg+100mg+4mg+ 200 IU	Uncoated tablets
314	Vitamin A Concentrate Powder IP+Vitamin D3 IP+Vitamin E Acetate IP+Thiamine Mononitrate IP+Riboflavine IP+Pyridoxine Hcl IP+ Cyanocobalamin IP+Nicotinamide+Calcium Pantothenate IP+Folic Acid IP+Biotin USP+Zinc Sulphate IP+Copper Sulphate BP+Selenium Dioxide USP+Manganese Chloride USP+ Chromic Chloride BP	5000 IU+500 IU+15 IU+10mg+10mg+3mg+ 7.5mcg+50mg+12.5mg + 1000mcg+100 mcg +15mg+2.5mg+60mcg+ 1.4mg+65mcg	Film Coated Tablets
315	Ubidecarenone + Astaxanthin	200 mg + 16 mg	Tablet
316	Ubidecarenone + Levocarnitine	30 mg + 500 mg per 5ml	Syrup
317	Protein Hydrolysate+Niacinamide IP+Magnesium Chloride IP+Manganese Chloride USP+Zinc Sulphate IP+Lysine HCl	0.333mg+10mg+3.3333 mg+0.033mg+2.7mg/2. 6mg+ 20mg per ml	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
318	Thiamine HCl IP+Pyridoxine HCl IP+ Nicotinamide IP+Methylcobalamin+D-panthol IP+Benzyl Alcohol IP	50mg+50mg+50mg+ 750mcg+25mg+2% v/v per ML	Injection

S.No	Name of FDC	Strength	Dosage Form
319	Calcium Carbonate from an Organic Source(Oyster Shells) Eq. to Elemental Calcium+Vitamin D3 IP+Magnesium Hydroxide IP eq. to Elemental Magnesium+Folic Acid IP+Vitamin B12 IP	250mg+125U+25mg+0.5mg+ 15mcg per 5ml	Oral suspension
320	Calcium Citrate USP+Magnesium Hcl Ip Eq. to Elemental Magnesium+Zinc Sulphate IP Eq. to Elemental Zinc+Vitamin D3 IP	1000mg+100mg+4mg+200IU	Tablets
321	Folic Acid IP+Pottasium Iodine IP Eq. to Elemental Iodine	5mg+200mcg	Tablets
322	Calcium Citrate Maleate Eq. to Elemental Calcium+Cholecalciferol USP+Magnesium Hydroxide USP eq. to Elemental Magnesium+ Sodium BorateUSNF Eq. to Elemental Boron+ Maganese Sulphate USP Eq. to Elemental Maganese+Zinc Sulphate Monohydrate USP Eq. to Elemental Zinc+Copper Sulphate Pantahydrate BP Eq. to Elemental Copper	1200mg/250mg+200IU 25mg+0.5mg+2.5mg+7.5mg+ 0.75mg	Tablets
323	Calcium Citrate USP+Magnesium Hydroxide IP+Vitamin D3	950mg+100mg+200IU	Tablets
324	Cynocobalamin IP+Nicotinamide IP+Choline Bitartrate USP+D-Panthenol IP+Inositol IP+Biotin BP+Glycine IP+L-Lysine HCL BP+DL-Methionine BP+Benzyl Alcohol IP	150mcg+100mcg+10mg+ 15mg+10mg+ 10mg + 20mg+20 mg+20mg +2% w/v	Injectable
325	Calcium Carbonate Eq. to Elemental Calcium+Vitamin D3 IP+Magnesium Hydroxide IP Eq. to Elemental Magnesium	500mg+200IU+25mg	Tablets
326	Co-Enzyme Q-10 BP+Lycopene 10% USP+L-Arginine USP+N-Acetyl L-cysteine IP+Zinc Sulphate Monohydrate IP+Sodium Selenium+ Piperine 95%	100mg+5mg+100mg+100mg+61.8mg+70mcg + 5mg	Hard Gelatin Capsules
327	Betacartone BP+Lycopene Preperation USP+ Vitamin B6 IP+Niacinamide IP+Calcium Pantothenate IP+Folic Acid IP+Vitamin B12 IP+Vitamin D3 IP+Biotin USP+Zinc Sulphate Monohydrate IP Eq. to Elemental Zinc+Selenium Dioxide Monohydrate USP Eq. to Selenium+ Cupric Oxide Eq. to Elemental Copper+ Manganese Sulphate USP Eq. to Elemental Manganese+ Chromium Picolinate USP Eq. to Chromium+ Magnesium Sulphate USP Eq. to Elemental Magnesium+Potassium Iodide BP Eq. to Elemental Iodine+Lysine HCl USP	10mg+2000mcg+3mg+100mg+12.5mg+1mg+15mcg+ 500 IU+0.3mcg+ 15mg+60mg +2.5mg+1.4mg+65mcg+3mg+0.1mg+25 mg	Soft Galetin Capsules

S.No	Name of FDC	Strength	Dosage Form
328	Lycopene preparations (6%) + Greentea extract (60% std.) eq. polyphenols + beta carotene (30% dispersion) + refined wheat germ oil + calcium ascorbate+ selenium Dioxide monohydrate +Zinc sulphate monohydrate +Ubidecarenone + Omega-3Marine triglycerides providing Eicosapentanoic acid + docosahexaenoic acid	15mg+ 150 mg+ 10 mg+ 25mg+ 50 mg+ 70 mg+ 27.45mcg + 10 mg+ 90 mg+ 60 mg	Soft gelatine Capsule
329	Alfacalcidol + Calcium carbonate eq to elemental calcium + Methylcobalamin+ Omega -3 - marine triglycerides + Docosahexaenoic acid + folic acid + Disodium tetraborate	0.25mcg + 500mg + 1500 mcg + 90 mg+ 60mg + 400 mcg+ 1.5 mg	soft gelatin Capsules
330	Lycopene +mix Carotene+ Refined Wheat Germ Oil + Selenium Dioxide Monohydrate + Zinc sulphate Monohydrate	5000mcg+ 10.33 mg+ 25 mg+ 75 mcg+ 27.54 mg	soft gelatin capsule (Label should clearly specify the quantity of Beta carotene available in mixed carotenoids)
331	Lycopene (10%) + Lutein/Zeaxanthin (20% 5:1)+ mixed carotene (30%)+ astaxanthin (1%) + betacarotene (30%) + refined wheat germ oil+ Zinc sulphate Monohydrate + Selenium Dioxide Monohydrate +copper Sulphate Pentahydrate	2mg+ 5 mg+ 20 mg+ 2 mg+ 5.17 mg+ 5mg+ 10mg+ 25mcg+ 0.5 mg	Soft gelatin capsules
332	Lycopene USP (10% powder form) + Methylcobalamin+ Ubidecarenone (Coenzyme Q-10) + L-arginine + Zinc sulphate Eq. To Elemental Zinc + selenomethionine eq to Selenium+ Folic acid + fructose+ L-carnitine fumarate eq to L- carnitine+ Citric acid	5000mcg+ 1500 mcg + 30 mg+ 100 mg+10 mg+ 50 mcg+ 1.5 mg+ 1 gm+ 1gm+ 50 mg per 5gm	sachet
333	Calcium carbonate+ magnesium hydroxide + stabilized vitamin D3+ Zinc sulphate	400mg+100mg+200 IU+4mg, 500mg+ 100mg +250 IU+7.5mg, 500mg+90mg+250 IU+4 mg	tablet/chewable tablet
334	Omega-3 fatty acid providing Eicosapentanoic acid + Docosahexaenoic acid+ alfacalcidol + L-arginine + vitamin B6+ vitamin B12+ folic acid+ wheat germ oil BP providing d-alpha Tocopherol + zinc Gulconate USP eq to Elemental Zinc+ Sodium selenite eq to Elemental Selenium + ubidecarenone (Coenzyme Q 10) +L-carnitine USP+Lycopene Preparation (10%)+ piperine	90mg+60 mg+ 0.25mcg + 500 mg+1.5 mg+ 2.5 mcg+ 500mcg+ 75 IU+ 7.5 mg + 100 mcg+ 30 mg+ 50 mg + 2.5 mg+ 2.5 mg	soft gel capsule

S.No	Name of FDC	Strength	Dosage Form
335	Betacarotene BP(30% dispersion)+ Copper sulphate pentahydrate BP+ chromium picolinate eq to chromium + potassium iodide + sodium selenite eq to selenium +Lutein USP (40% dispersion)	10 mg+ 1.5 mg+ 1 mcg+ 200 mcg+ 70 mcg+ 3.2 mg	hard gelatin capsule
336	Lactic acid bacillus + Nicotinamide IP+ folic acid+ vitamin B6 + Zinc sulphate monohydrate eq to Elemental Zinc	40x 10(6) spores + 15 mg+ 100mcg+ 1.5 mg + 5 mg per 5ml	oral liquid
337	Lutein USP (40% dispersion) + lycopene preparations USP (10%) + betacarotene BP (30% dispersion)	3.2 mg+ 2 mg+ 10 mg	tablet
338	Calcium citrate + tribasic calcium phosphate + calcium ascorbate + vitamin D3 IP+ magnesium hydroxide + zinc sulphate monohydrate IP	1000mg+ 150 mg+ 75 mg+ 400 IU+ 100mg + 4 mg	tablets
339	Calcium Citrate USP+Tribasic Calcium Phosphate IP+Calcium Ascorbate USP+Vitamin D3 IP+Magnesium Hydroxide IP+Zinc Sulphate Monohydrate IP Eq. to Elemental Zinc	1000mg+150mg+75mg +400 IU+100mg+4mg	Tablets
340	Betacartone BP+Lycopene Preparation USP+L-Carnitine L-Tartrate+Sodium selenite pentahydrate eq to elemental selenium +Methylcobalamin JP+Pyridoxine HCL IP+Niacinamide IP+Folic Acid IP+Biotin USP+Vitamin D3 IP+Zinc Sulphate Monohydrate USP Eq. to Elemental Zinc+Copper+Manganese Sulphate+Chromic Picolinate USP+Dibasic Calcium Phosphate IP+Ferrous Sulphate Monohydrate IP	10mg+2000mcg+50m+ 60mcg+500mcg+3mg+ 50 mg +1mg +30mcg + 400 IU+15mg+2.5mg+ 1.4mg+65mcg+162mg+ 33.3mg	Tablets
341	Green tea Extract (eq. to polyphenols)+Natural Mixed Carotenoids+Ubidecarenone BP+L-Seleno Methionine+Zinc Monomethionine+Calcitriol BP+ Methylcobalamin Chromium Polynicotinate+L-Methyltetrahydrofolate Calcium+Pyridoxamine dihydrochloride	20mg+11.33mg+30mg+ 50mcg+25mg+0.25mcg 1500mcg+200mcg+500 mcg+ 25mg	Tablets
342	Calcitriol+Calcium Carbonate+Vitamin K2-7+Methylcobalamin+Zinc+magnesium+L-Methyl Folate	0.25mcg+1250mg+ 45mcg+ 1500mcg+ 7.5mg +50mg+ 800mcg	Soft Gelatin Capsules

S.No	Name of FDC	Strength	Dosage Form
343	Lycopene (10% dispersion) USP+Betacarotene (30% dispersion) BP+Refined Wheat Germ Oil BP+Green tea extract+Calcium Ascorbate USP+Selenium Dioxide Monohydrate USP+Omega-3-Marine Triglycerides BP (Omega-3Fatty Acid)	10mg+10mg+25mg+100mg+2.5mg+70mcg+50mg	Soft Galetin Capsules
344	Pyridoxine HCl+Nicotinamide+Vitamin B12+Iron (as ferrous Lactate)+Zinc+Folic Acid+Magnesium+Calcium Gluconate	1.5mg+26mg+1mcg+18mg+9.23mg+300mcg+30mg+132mg per 15ml	Suspension
345	Calcium Citrate Maleate Eq. to elemental Calcium+Alfacalcidol BP+Soya Isoflavonoids (40%)+Zinc Oxide Eq. to Elemental Zinc+Magnesium Oxide Eq. to elemental Magnesium+Copper Sulphate eq. to elemental Copper+Manganese Sulphate eq. to elemental Manganese+Sodium Tetra Borate Eq. to elemental Boron	200mg+0.25mcg+60mg4mg+10mg+1mg+1.8mg+50mcg	film coated tablets
346	L- Carnitine USP+Ubidecarenone BP+Lycopene USP+Zinc Sulphate Monohydrate USP	500mg+100mg+2500mcg+12.5mg	film coated tablets
347	Calcitriol IP+Calcium Carbonate IP+Soya Isoflavones 40% +Vitamin K2-7+Magnesium	0.25mcg+500mg+50mg+45mcg+50mg	film coated tablets
348	Lactic Acid bacillus (Spores)+Nicotinamide IP+Folic Acid IP+Pyridoxine HCL IP+Zinc Sulphate Monohydrate IP Eq. to Elemental Zinc	100 * 10(6)+15mg+100mcg+1.5mg+10mg	Oral Powder
349	Calcium Carbonate Eq. to elemental Calcium+Magnesium Hydroxide Eq. to elemental Magnesium+Zinc Sulphate Monohydrate Eq. to elemental Zinc+Vitamin D3	1250mg eq. to 500mg+216mg eq. to 90mg+11mg eq. to 4mg+200 IU	Tablets
350	L-Carnitine L-Tartrate+Co-Enzyme Q 10 BP+Lycopene 10%+Zinc Sulphate Monohydrate IP +Protodioscin	300mg+100mg+25mg+12.5mg+80mg	film coated tablets
351	Lycopene USP 8% +Vitamin A IP+Vitamin E Acetate IP+Vitamin C IP+Zinc Sulphate Monohydrate USP+Selenium Dioxide Monohydrate USP Eq. to elemental Selenium	2000mcg+2500 IU+10 IU +50mg+27.45mg+70mcg	Soft Galetin Capsules
352	Calcium Citrate USP Eq. to elemental Calcium+Magnesium Hydroxide IP Eq. to elemental Magnesium+Zinc Sulphate IP Eq. to Elemental Zinc+Vitamin D3 IP	1000mg eq. to 200mg+50mg+4mg/4mg+200 IU /200 IU and 1000mg eq. to 200mg+100mg+4mg+200 IU	Uncoated Tablets

S.No	Name of FDC	Strength	Dosage Form
353	Methylcobalamin+Alpha Lipoic Acid USP+Chromium Polynicotinate eq. to elemental Chromium+L-Selenium Monomethionine eq. to elemental Selenium+Zinc Ascorbate eq. to elemental Zinc+Calcium D-Pantothenate IP+Vitamin B6 IP+Folic Acid IP	1500mcg+300mg+25mcg+ 40mcg+ 3.15mg+ 12.5mg+ 3mg+1.5mg	Hard Gelatin Capsules
354	Calcium Carbonate eq. to elemental Calcium+ Vitamin D3 IP+Magnesium (elemental) as Magnesium Hydroxide IP+Manganese (elemental) as Manganese Sulphate USP+Zinc (elemental) as Zinc Sulphate IP+Boron (elemental) as Borate BP	125mg+62.5 IU+10mg+ 0.5mg+2.5mg+62.5 mcg	Suspension
355	Vitamin K2-7+Calcium Carbonate+Calcitriol+Zinc+Magnesium	50mcg+500mg+0.25 mg +7.5mg+50mg and 50mcg+200mg+0.25 mg +7.5mg+50mg	Tablets
356	Calcium Carbonate eq. to Elemental Calcium+Vitamin D3 IP+Magnesium Oxide eq. to Elemental Magnesium+Manganese sulfate eq. to elemental Manganese+Zinc Sulphate eq. to elemental Zinc+Copper Sulphate pentahydrate eq. to elemental copper	1250mg eq. to. 500mg+ 250IU+40mg+1.8mg+ 7.5mg+1mg	Tablets
357	Lycopene preparations+Zinc Sulphate+Copper sulphate pentahydrate+Manganese sulphate+ Sodium selenite pentahydrate+Chromium Picolinate eq. to elemental Chromium	5000mcg+22.5mg+1mg + 1mg+34mcg+25mcg	Capsules
358	Protein Hydrolysate (20%)+Niacinamide+Iron choline+Magnesium Chloride+Manganese Chloride+Zinc Sulphate+Lysine Hydrochloride	0.333gm+10mg+15mg 3.333mg+0.033mg+2.7 mg+20 mg per 5ml	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
359	Vitamin E Acetate+Vitamin C IP+Lycopene Preparations+Zinc Oxide+Copper Sulphate+Manganese Sulphate+Sodium Selenite Pentahydrate+Chromium Picolinate	5mg+25mg+2000mcg+ 12mg+1mg+1mg+34mcg+ 25mcg	Capsules
360	Lycopene USP 10%+Betacarotene (30% Dispersion)+Selenium Dioxide+Coper Sulfate Pentahydrate eq. To elemental copper	10mg+5mg+35mcg+1.1 mg per 10ml	Syrup
361	Free Lutein+Zeaxanthin+Lycopene+Methylcobalamin + Zinc Oxide+Cupric Oxide+Sodium Selenite Pentahydrate	4mg+0.8mg+10mg+50 0mcg+ 40mg+2mg+40mcg	Capsules

S.No	Name of FDC	Strength	Dosage Form
362	Alpha Lipoic Acid+Folic Acid+Vitamin B12+Vitamin B6+Zinc+Magnesium+Chromium+Selenium	100mg+1.5mg+15mcg+3mg+ 20mg+50mg+200mcg+ 100mcg	Capsules (The content of elemental chromium should be less than 200 mcg)
363	Lycopene+Methylcobalamin+Zinc Sulphate+Lutein	2000mcg+500mcg+27.45mg+3.2mg	Capsules
364	Calcium Citrate+Vitamin D3+Magnesium Hydroxide+Zinc Sulphate	1000mg+200IU+100mg + 4mg	Tablets
365	1250mg of Calcium Carbonate from Organic source eq. elemental Calcium+Vitamin D3+ Magnesium Oxide+Manganese Sulphate+Zinc Sulphate+ Copper sulphate+Boron	500mg+250IU+40mg+1.8mg+ 7.5mg+1.0mg+250mcg	Tablets
366	Lycopene+Betacarotene (10% Dispersion)+Cyanocobalamin+Pyridoxine HCl+Niacinamide+Folic Acid+Zinc Citrate eq. to Zinc+Copper Lysinate eq. to Copper+Seleniomethionine eq. to Selenium+Chromium Polynicotinate eq. to Chromium+Manganese Citrate eq. to magnesium	2000mcg+30mg+5mcg 3mg+100mg+1.5mg+1.5mg+2.5mg+60mcg+65mcg+ 1.4mg	Tablets
367	Calcium Carbonate+Magnesium Hydroxide+Zinc Gluconate+Vitamin D3	150mg+25mg+1.5mg+200IU per 5ml	Suspension
368	Potassium Citrate+Magnesium Citrate+Vitamin B6	978mg+263.10mg+15mg	Tablets
369	Lactic acid bacillus+ Nicotinamide + Folic acid + Pyridoxine hydrochloride + Zinc sulphate monohydrate	40X 10(6) +15 mg+100 mcg + 1 .5 mg+ 5 mg	Oral powder
370	Vitamin A palmitate + Vit D3+ Vitamin E acetate + Thiamine HCL+ Riboflavine 5 phosphate + Pyridoxine HCL+ Vitamin b12 + Niacinamide + D panthenol + Lysine mono HCL + Zinc sulphate	1250 IU+ 100 IU+ 5 mg+ 0.75 mg+ 0.75 mg+ 0.5 mg+ 0.5 mcg+ 7.5mg+ 1.25 mg+ 5 mg+ 22.5 mg per 5ml	Syrup
371	Calcium carbonate + calcitriol+ gamma linolenic acid + sodium tetraborate + magnesium oxide	625 mg+ 0.25 mcg+ 22.5 mg 250 mcg+ 36.2 mg	Soft gelatin capsules
372	Ubidecarenone + lycopene+ Eicosapentaenoic acid+ docosahexaenoic acid + natural mixed carotinoids + wheat germ oil + calcium ascorbate + vitamin B12+ selenium dioxide monohydrate+ zinc sulphate monohydrate + piperine	100mg+ 5000 mcg+ 90 mg+ 60 mg+ 10.33 mg+ 25 mg+ 75 mg+ 5 mcg+ 75 mcg+ 27.45 mg+ 5 mg	soft gelatin capsules (Label should clearly specify the quantity of Beta carotene available in mixed carotenoids)

S.No	Name of FDC	Strength	Dosage Form
373	Lycopene + selenium Dioxide monohydrate + calcium ascorbate + mixed carotene + zinc sulphate + wheat germ oil+ vitamin B12	5000 mcg+ 75 mcg+ 75 mg+ 10.33 mg+ 27.45 mg+ 25.0 mg + 5 mcg	soft gelatin capsules (Label should clearly specify the quantity of Beta carotene available in mixed carotenoids)
374	Magnesium hydroxide + zinc sulphate + vitamin D3	400 mg+ 100 mg + 200 IU	Tablets
375	Calcium citrate+ magnesium hydroxide + zinc sulphate + vitamin D3	1000mg + 100 mg+ 4 mg+ 200 IU	Tablets
376	Lactic acid bacillus+ Nicotinamide + Folic acid + Pyridoxine hydrochloride + Zinc sulphate monohydrate USP	40*10(6)+15mg+100mcg+ 1.5mg+5mg	Tablets
377	Lactic Acid Bacillus (Spores)+Nicotinamide IP+Folic Acid IP+Pyridoxine HCL IP+Zinc Sulphate Monohydrate IP+Cyanocobalamin IP+Calcium Pantothenate IP+Biotin USP	50 * 10(6)+50mg+ 1500mcg+3mg+ 15mg+10mcg+20mg+ 100mcg	Hard Gelatin Capsule
378	Ubidecarenone (Coenzyme Q 10) USP+ Selenium Dioxide Monohydrate USP+L-Arginine BP+Lycopene+Omega-3 fatty Acid providing (Eicosapentaenoic Acid+Docosahexaenoic Acid)	100mg+100mcg+100mg+ 4000mcg+ 300mg (90mg+ 60mg)	Capsules
379	Lycopene USP+Niacinamide IP+Pyridoxine HCL IP+Cyanocobalamin IP+Folic Acid IP+Biotin USP+Copper Sulphate Pentahydrate BP eq. to elemental Copper+Potassium Iodine p. eq. to elemental Iodine+Magnesium Gluconate BP eq. to elemental Magnesium+Sodium Selenite Pentahydrate BP eq. to Elemental Selenium+ Zinc Gluconate BP Eq. to Elemental Zinc	2000mcg+25mg+1.5mg+ 1mcg+100mcg+100mcg+500mcg+100mcg+3mg+ 35mcg+3mg	Oral suspension
380	Calcium Citrate eq. to elemental Calcium+ Vitamin D3+Magnesium Hydroxide+Zinc Sulphate Monohydrate eq. to elemental Zinc	200mg+200 IU+ 100mg + 4mg and 250mg+200 IU +100mg+7.5mg	Film Coated Tablets
381	Calcium Citrate USP+Vitamin D3 IP+Magnesium Hydroxide IP+Zinc Sulphate Monohydrate USP eq. to elemental Zinc+Sodium Borate BP eq. to Elemental Boron+Manganese Sulphate BP eq. to elemental Manganese+Copper Sulphate Pentahydrate BP eq. to elemental Copper+ Colloidal Silicon Dioxide eq. to elemental Silicon	1250mg+500 IU+ 100mg +4mg+250mcg+ 2mg+1mg+2mg	Tablets

S.No	Name of FDC	Strength	Dosage Form
382	Cartenoids+Lycopene Preparations USP+Astaxanthin	3.2mg+2mg+2mg	Tablets
383	Calcium Carbonate IP eq. to elemental Calcium+ Calcitriol+Vitamin K2-7 +Anhydrous Magnesium Sulphate eq. to elemental Magnesium+Zinc Sulphate Monohydrate IP Eq. to elemental Zinc	500mg+0.25mcg+50mc g+ 50mg+7.5mg	Tablets
384	Ibandronic Acid & Calcium Carbonate IP eq. to elemental Calcium+Calcitriol IP+Vitamin K2-7 + Zinc Sulphate IP eq. to elemental Zinc+ Magnesium Sulphate IP eq. to elemental Magnesium	150mg & 500mg+0.25mcg+50mc g+ 7.5mg+50mg	Film coated tablets, Combi kit
385	Calcium Citrate Maleate eq. to elemental Calcium+Vitamin D3 IP+Magnesium Hydroxide eq. to elemental Magnesium+Zinc Sulphate Monohydrate eq. to elemental Zinc	250mg+200 IU+5mg+5mg and 1000mg+250 IU+100mg +8mg	Chewable Tablets
386	Lactic Acid Bacillus+Folic Acid IP+Vitamin B12 IP	60 million+100mcg+ 3mcg and 180 million+ 1500mcg+ 15mcg	Tablets
387	Ubidecarenone BP+Arginine IP+Lycopene 10%+Selenium	100mg+100mg+4000m cg+ 100mcg	Hard Gelatin Capsule
388	Calcium Carbonate eq. to elemental Calcium+Magnesium Hydroxide eq. to elemental Magnesium+Zinc Sulphate Monohydrate eq. to elemental Zinc+Vitamin D3	625mg eq. to 250mg+216mg eq. to 90mg+11mg eq. to 4mg+200 IU	Film Coated Tablets
389	Calcium Carbonate eq. to elemental Calcium+ Magnesium Hydroxide eq. to elemental Magnesium+Zinc Gluconate Monohydrate eq. to elemental Zinc+Vitamin D3	625mg eq. to 250mg+180mg eq. to 75mg+14mg eq.to 2mg+ 200 IU	Film Coated Tablets
390	Calcium citrate+ vitamin D3+ folic acid+ zinc sulphate eq. to elemental Zinc+ magnesium hydroxide eq. to Magnesium	200mg+ 200 IU + 2.5 mg + 5 mg+ 100 mg	tablets
391	Soya isoflavon + alfacalcidol + calcium Citrate + magnesium Oxide heavy + pyridoxine hydrochloride+ selenium+ zinc oxide + folic acid + copper+ manganese sulphate	30 mg+ 0.50 mcg+ 300 mg+ 40 mg+ 1.5 mg+ 80 mcg+ 15 mg + 500 mcg + 1 mg+ 1 mg	hard gelatin capsule
392	Calcium carbonate+ calcitriol + vitamin K2-7 + anhydrous magnesium sulphate + zinc sulphate monohydrate	500 mg+ 0.25mcg+ 50 mcg+ 50 mg+ 7.5 mg	tablets

S.No	Name of FDC	Strength	Dosage Form
393	Calcitrol + calcium carbonate eq to calcium + zinc sulphate monohydrate eq to zinc+ vitamin K2-7 + magnesium sulphate	0.25 mcg+ 200 mg+ 7.5 mg+ 50 mcg+50 mg	film coated tablet
394	Calcium citrate + magnesium hydroxide + zinc sulphate+ vitamin D3	1000mg + 100 mg+ 4 mg+ 200 IU	tablets
395	Methylcobalamin+ folic acid+ pyridoxine HCL+ inositol + alpha lipoic acid+ chromium+ vanadyl sulphate+ seleniuos acid+ zinc sulphate	2000mcg+ 1500mcg + 3 mg+ 200 mg+ 200 mg+ 200 mcg+ 10mcg+ 100 mcg + 10 mg	hard gelatin capsule
396	Carbonyl iron+ calcium citrate+ vitamin D3+ magnesium oxide+ copper sulphate+ manganese sulphate+ zinc oxide+ folic acid +Pyridoxine HCL+ cyanocobalamin	75 mg+ 250 mg+ 400mg+ 25 mg+ 1 mg+ 1 mg+ 15 mg+ 1.5 mg+ 1.5 mg + 7. 5 mg	hard gelatin capsules
397	Pyridoxine HCL+ niacinamide + folic acid +lactic acid bacillus	3 mg+ 50 mg+ 1.5 mg+ 40 X10(6) Spores	capsules
398	Methylcobalamin+ vitamin A Acetate+ vitaminD3 + vitamin E acetate+ thiamine Mono nitrate+ riboflavine + vitamin B6 + ascorbic acid coated+ niacinamide + calcium D pantothenate+ folic acid + biotin + Lglutamic acid + Zinc sulphate monohydrate + copper sulpahte + manganese sulphate+ sodium monybdate+ magnesium oxide + chromium picolinate+ sodium selenite	500mcg + 5000 IU+ 400 IU+ 25 IU + 5 mg+ 5 mg+ 1.5 mg+ 75 mg+ 50 mg+ 10 mg+ 1.5 mg+ 150 mcg+ 50 mg + 55 mg+ 2 mg+ 5 mg+ 25 mcg+ 10 mg + 250 mcg+ 70 mcg	tablets
399	Vitamin A Concentrated Powder IP+Vitamin E Acetate IP+Vitamin C IP+Vitamin D3 IP+ Thaimine Mononitrate IP+Riboflavin IP+ Pyridoxine HCl IP+Folic Acid IP+Niacianamide IP+Calcium Pantothenate IP+Cyanocobalamin IP+Glycine IP+Zinc Sulphate Monohydrate USP+ L-Glutamic Acid BP+Biotin USP+ Magnesium Oxide IP+Sodium Selenate USP eq. to Selenium+Chromium Picolinate USP	5000 IU+25 mg+75mg+ 400 IU+10mg+10mg+ 3mg+ 1.5 mg+ 50mg+ 10mg+ 10mcg+ 25mg+ 25mg+ 25mg+200mcg+ 10mg+ 100mcg+ 150mcg	Film coated tablet
400	Lycopene USP(10% Powder form)+ Methylcobalamin+ Ubidecarenone USP+L- Arginine IP+Zinc Sulphate IP eq. to elemental Zinc+Selenomethionine USP eq. to Selenium+ Folic Acid IP+Fructose IP+L-Carnitine Fumarate eq. to L-Carnitine+Citric Acid IP	5000mcg+1500mcg+30 mg+1 00mg+ 10mg+ 50mcg+ 1.5mg+1g+ 1g+50mg	Oral Powder
401	Calcium Carbonate eq. to elemental Calcium+ Vitamin D3+Magnesium Hydroxide IP+Zinc	500mg+200 IU+90mg+4mg	Tablets

S.No	Name of FDC	Strength	Dosage Form
402	Calcium Carbonate+Dibasic Calcium Phosphate+Vitamin D3+Magnesium+Zinc	500mg+100mg+200 IU+90mg+4mg	Uncoated tablets
403	Calcitriol+Calcium Carbonate+Soya Isoflavones+Vitamin K2-7+Magnesium	0.25mcg+500mg+50mg + 45mcg+50mg	Capsules
404	Vitamin A USP+Vitamin B1 IP+Vitamin B2+Vitamin B6+Vitamin B12+Vitamin C IP+Niacin IP (as Nicotinamide IP)+Pantothenic Acid+Manganese+Zinc+Iodine+Chromium+Sodium Molybdate+Calcium+Selenium	2500 IU+2mg+2.5mg+1mg+1mcg+ 40mg+ 22.5mg+2.5mg+ 800mcg+1mg+50mcg+ 8mcg+8mcg+1.25mg+ 10mcg 8mcg+8mcg+ 1.25mg+ 10mcg	Syrup
405	Calcium Carbonate IP+Vitamin D3 IP+Magnesium Hydroxide IP+Zinc Sulphate Monohydrate USP+Sodium Borate BP+Sodium Selenite Pentahydrate BP+Copper Sulphate Pentahydrate USP+Lysine HCl USP	500mg+200 IU+75mg +4mg+1mg+35mcg+ 1mg+ 25mg	Tablets
406	Docosahexaenoic Acid+Folic Acid IP+Potassium Iodine IP	200mg+5mg+50mcg	Soft Gelatin Capsules
407	Biotin+Calcium D Pantothenate+Para Aminobenzoic Acid+L-Cysteine HCl Monohydrate+ Niacinamide+Zinc Oxide+Folic Acid	10mg+100mg+100mg+ 100mg+30mg+25mg+1 .5mg	Hard Gelatin Capsules
408	Biotin+N-Acetylcysteine+Vitamin E+Calcium Pantothenate+Sodium Selenite+Cupric Oxide+Zinc Oxide	10mg+50mg+25 IU+ 30mg+65mcg+3mg+22. 5mg	Hard Gelatin Capsules
409	Lactic Acid IP+Sorbitol IP+Cocamidopropyl Betaine+Polyquaternium -7+Tea Tree Oil+Hippophae Rhamnoides Fruit Oil	1.20% w/v + 1.0% w/v + 7.0% w/v + 0.5% w/v + 0.05% w/v + 0.25% w/v	Liquid
410	Ginseng Extract USP+Niacinamide IP+Vitamin B6 IP+Mecolamin+Vitamin D3 IP+Folic Acid IP+Dibasic Calcium Phosphate IP eq. to elemental Calcium & elemental Phosphorous+ Ferrous Fumarate IP+Zinc Sulphate Monohydrate IP+Magnesium Sulphate IP eq. to Elemental Magnesium+Manganese Sulphate BP eq. to elemental Manganese+Copper Sulphate BP eq. to elemental Copper+Potassium Iodide IP eq. to elemental Iodine+Potassium Sulphate BP eq. to elemental Potassium	43.5mg+25mg+1mg+ 500mcg+200 IU+ 0.15mg+ 75mg & 58mg+30mg+10mg+ 3mg+ 0.5mg+0.5mg+ 0.1mg+2mg	Soft Gelatin Capsules

S.No	Name of FDC	Strength	Dosage Form
411	L-Carnitine L-Tartrate+Coenzyme Q10 USP+Lycopene USP+Zinc Oxide eq. to Elemental Zinc	1000mg+60mg+ 2500mcg+ 12.5mg	Film Coated Tablets
412	L- arginine + lycopene + zinc sulphate monohydrate	3 gm+ 2000 mcg+ 7.5 mg	granules
413	Calcium Fumarate+Calcium Ascorbate+Calcitriol+Manganese Chloride Tetrahydrate+Sodium Borate+Copper Sulphate Pentahydrate+Sodium Selenite anhydrous+Zinc Oxide+Magnesium Oxide	1000 mg + 42 mg +9.4 mg +9 mg +27 mg +4 mg + 0.1 mg +0.3 mg+0.5 mg	Tablets
414	Coenzyme Q10 USP+Lycopene USP+L-carnitine LTartrate+Znc Sulphate IP+Sodium Selenite pentahydrate BP	50mg+5000mcg+500mg+ 57mg+100mcg and 100mg+5000mcg+500 mg+ 57mg+100mcg	Film coated tablets
415	Calcium Aspartate+Vitamin D3+Magnesium Hydroxide+Magnesium Sulphate+Zinc+Vitamin K27+Folic Acid IP	1120mg+250IU+40mg+ 1.8mg+7.5mg+90mcg+ 5mg	Tablets
416	Epigallocatechin Gallate+Chromium Polynicotinate	100mg+200mg	Hard Gelatin Capsules
417	Vitamin A+Vitamin D3+Vitamin E Acetate+ Niacinamide+Thiamine HCl+Pyridoxine HCl+Riboflavin Phosphate Sodium+ D- Panthenol+Vitamin B12+D-Biotin+Calcium Glycerophosphate	2000 IU+2000 IU+ 4mg+ 10mg+10mg+ 5mg+1mg+ 1mg+ 10mcg+10mcg+ 10mcg per ml	Injection
418	Ginseng Extract USP+Niacinamide IP+Vitamin B6 IP+Mecobalamin+Vitamin D3 IP+Folic Acid IP+Dibasic Calcium Phosphate IP eq. to elemental Calcium & elemental Phosphorous+ Ferrous Fumarate IP+Zinc Sulphate Monohydrate IP+Magnesium Sulphate IP eq. to Elemental Magnesium+Manganese Sulphate BP eq. to elemental Manganese+Copper Sulphate Pentahydrate BP eq. to elemental copper+ Potassium Iodide IP eq. to elemental Iodine+Potassium Sulphate BP eq. to elemental Potassium	43.5mg+ 25mg+ 1mg+ 500mcg+200 IU+ 0.15mg+ 75mg & 58mg+30mg+10mg+3mg+0.5 mg+0.5mg+ 0.1mg+2mg	Soft Gelatin Capsules
419	Lutein USP 10% USP+Lycopene USP 10%+Beta carotene BP+Black Grape Seed Extract+Green Tea Extract+Zinc Sulphate monohydrate USP	4mg+4000mcg+10mg+ 10mg+10mg+25mcg	Soft Gelatin Capsules

S.No	Name of FDC	Strength	Dosage Form
420	Proteine Hydrolysate 20%+DHA 10%+Pyridoxine HCl IP+Cyanocobalamin IP+Vitamin D3 IP+Folic Acid IP+Niacinamide IP+Calcium+Magnesium Sulphate IP+Zinc+Iron+Magnesium Oxide IP+Cupric Sulphate USP+Chromium+Selenium Dioxide Monohydrate USP+Potassium Chloride IP+Sodium Chloride IP+Iodine	5g+25mg+0.5mg+1mcg + 100 IU+300mcg+ 15mg + 200mg+ 1.5mcg+1.5mg+ 10mg+ 4mg+2.5mg+25mcg+2 0mcg+5mg+33mg+ 100mcg	Powder (Source of Protein Hydrolysate should be mentioned on the label)
421	Proteine Hydrolysate 20%+DHA 10%+Pyridoxine HCl IP+Cyanocobalamin IP+Vitamin D3 IP+Folic Acid IP+Niacinamide IP+Calcium+Magnesium Sulphate IP+Zinc+Iron+Magnesium Oxide IP+Cupric Sulphate USP+Chromium+Selenium Dioxide Monohydrate USP+Potassium Chloride IP+Sodium Chloride IP+Iodine	5g+25mg+0.5mg+1mcg +100 lu+300mcg+ 15mg+200mg+1. 5mcg+1.5mg+10mg+4 mg+2.5 mg+25mcg+ 20mcg+5mg+33 mg+100mcg	Powder (Source of Protein Hydrolysate should be mentioned on the label)
422	Lycopene Preparation USP 6%+L-Arginine+ L-Valine USP+L-Isoleucine USP+L-Leucine USP+ L-Lysine HCl USP+DL-Methionone USP XX+ L-Phenylalanine USP+L-Threonine USP+ L- Tryptophan USP+Methylcobalamin+Folic Acid IP+Omega-3-Marine Triglycerides BP(Providing Eicosapentaenoic Acid+Docosahexaenoic Acid)	4000mcg+10.0mg+6.7 mg+ 5.9mg+18.3mg+ 25.0mg+ 8.4mg+5mg+ 4.2mg+5mg+ 100mcg+ 1.5mg+90mg+ 60mg	Soft Gelatin Capsules
423	Protein hydrolysate+Niacinamide IP+Iron Choline Citrate+Magnesium Chloride IP+Manganese Chloride USP+Zinc Sulphate IP eq. to elemental Zinc+Lysine HCl	0.333gm+10mg+15mg 3.333mg+0.033mg+2.7 00 mg eq. to 0.600mg+ 20mg per 5ml	Syrup (Source of Protein Hydrolysate should be mentioned on the label)
424	Lycopene Preparations USP+Ubidecarenone BP+Omega-3-marine Triglycerides BP Providing Eicosapentaenoic Acid & Docosahexaenoic Acid+Refined Wheat-Germ Oil BP+Natural Mixed Catenoids+Calcium Ascorbate USP+ Vitamin B12+Selenium Dioxide Monohydrate USP+Zinc Sulphate Monohydrate USP	5000mcg+100mg+90m g & 60mg+25mg+ 10.33mg+ 75mg+ 5mcg+ 75mcg+ 27.45m g	Soft Gelatin Capsules
425	Calcium citrate+vit D3+Magnesium Hydroxide+Zinc Sulphate	1000mg+200mg+ 100mg+ 4mg	Film coated Tablet
426	L-carnitine L-tartrate+Co Enzyme Q10+Lycopene powder+Zinc Oxide	1000mg+50mg+ 2500mcg+ 12.5mg	Film coated Tablet
427	L-carnitine+Ubidecarenone+ Elemental Zinc+5% Lycopene+1% astaxanthin	500mg+50mg+5mg+ 2500mcg+8mg	Film coated Tablet

S.No	Name of FDC	Strength	Dosage Form
428	Alpha lipoic acid+Beta carotene+Methylcobalamin+Zinc oxide+Selenious acid+Chromic chloride+Light magnesium oxide+Manganese sulphate+Cupric sulphate+Dibasic calcium phosphate	200mg+3mg+1500mcg 20mg+70mg+50mg+40 mg+2 mg+1.96mg+ 316.23mg	Capsule
429	Thiamine HCl IP+Riboflavin Sodium Phosphate+Vitamin B6 IP+Niacinamide IP+Cyanocobalamin IP+Choline Chloride	25mg+1.5mg+5mg+50 mg+ 50mcg+25mg	Injection
430	Thiamine HCl IP+Riboflavin Sodium Phosphate IP+Pyridoxine HCL IP+Niacinamide IP+Cyanocobalamin IP+Choline Chloride	25mg+1.5mg+5mg+50 mg+50 mcg+25mg	Injection
431	Ginseng+Vitamin E Acetate IP+Ferric Ammonium Citrate IP+Magnesium Gluconate Eq. to Elemental Magnesium+Manganese Gluconate Eq. to Elemental Manganese+ Potassium Iodide Eq. to Elemental Potassium+Copper Sulphate Pentahydrate Eq. to Elemental Copper+Zinc Lactate eq. to Elemental zinc	50mg+5mg+50mg+ 3mg+ 0.50mg+0.1mg+ 0.5mg+ 0.5mg	Syrupy base
432	Thiamine Mononitrate IP+Riboflavin Sodium Phosphate eq. to Riboflavin (Vitamin B2)+ Nacinamide IP+ Pyridoxine Hcl IP+ Vitamin A concentrate (Oily form) (As Palmitate)+ Cholecalciferol + Ascorbic Acid IP + D-Panthenol IP +Tocopheryl Acetate IP	2mg+1mg +10mg +1.0mg +3000 IU+ 400 IU+ 40mg +3.0mg +5.0 IU	Oral
433	Protein Hydrolysate (20.0%)+Pyridoxine Hcl IP+Niacinamide IP+Iron Choline citrate+Magnesium chloride IP + Manganese chloride USP+Zinc Sulphate Eq. to elemental Zinc+Lysine HCl	0.333gm+0.5mg+15mg 15mg+3.333mg+0.333 mg+ 44mg eq. to 10mg+ 20mg	Palatable base (Source of Protein Hydrolysate should be mentioned on the label)
434	Zinc Sulphate IP eq. to elemental Zinc+Vitamin A Palimate IP+Vitamin D3 IP+Vitamin B1 IP+ Vitamin B2 IP+Vitamin B6 IP+ Niacinamide IP	25mg eq. to 5.7mg+ 1600 IU+ 200 IU+ 1.5mg+1.5mg+ 1.0mg+ 15mg	Oral Liquid
435	Chromium (as chromium Picolinate USP) + Zinc sulphate Monohydrate USP + Vitamin B6 IP + Vitamin B12 coated eq. to vitamin B 12 IP + Folic acid IP	500 mcg+27.5mg + 3 mg + 15mcg + 1mg	Capsules

S.No	Name of FDC	Strength	Dosage Form
436	Each 5 ml contains: Iron choline citrate +Thiamine HCl IP + Riboflavin sodium phosphate IP + Pyridoxine HCl IP + Cyanocobalamin IP + Niacinamide IP + Lysine HCl USP + Protein hydrolysate(not less than 15%) + Zinc sulfate USP	150 mg+2.5 mg+2.5 mg+ 1.0 mg+2.5mcg+ 25 mg+ 25 mg+500 mg+25 mg	Syrup (Label should declare the source for the Protein hydrolysate)
437	Ubidecarenone (Coenzyme Q10) BP + Arginine BP + Alpha tocopheryl acetate concentrate (powder form)BP +Selenium(as sodium selenite pentahydrate BP)	100 mg+100 mg+25 IU+ 100 mcg	Hard Gelatin Capsules
438	Calcium Carbonate IP eq. to elemental Calcium + Calcitriol IP+ VitaminK2-7 + Mecobalamin JP + Magnesium oxide IP eq. to elemental Magnesium + Sodium metaborate eq. to elemental boron + Zinc oxide IP eq. to elemental Zinc	250 mg+0.25 mcg+45 mcg+ 750 mcg+50 mg+1.5 mg+ 7.5 mg	Capsules
439	Resveratrol + L-Arginine USP + Grape Seed Extract (Proanthocyanidines) + Zinc sulphate Monohydrate USP Eq. to elemental ion zinc +Selenium(as selenium Dioxide USP)	25 mg+20 mg+50 mg+20 mg+200mcg	Capsules
440	Resveratrol-25 mg+L-Arginine USP-20 mg+Grape Seed Extract-50 mg(Proanthocyanidines)+Zinc sulphate Monohydrate USP Eq. to elemental ion zinc20 mg+Selenium(as selenium Dioxide USP)-200mcgcapsule		Capsules
441	Betacarotene 15% (Naturallymixed carotenoid) eq. to Vitamin A 5000IU+Zinc Sulphate monohydrate USP+Selenium Dioxide (as selenious USP)+Manganese BP (as manganese sulphate monohydrate BP)+Copper (copper sulphate pentahydrate BP)	20mg+27.5mg+200mcg + 2mg+1mg	Capsule
442	Benfotiamine+ L-Methyl folate Calcium eq. to L-Methyl folate+ Methylcobalamin + Pyridoxamine dihydrochloride + Flavin mononucleotide + Biotin BP + Zinc sulphate Monohydrate USP eq. to Elemental Zinc + Cupric oxide eq. to elemental copper + Manganese chloride USP eq. to elemental manganese + Chromium chloride USP eq. to elemental chromium + Calcium carbonate IP(Oyster shell) + Magnesium chloride Chloride IP + Potassium Iodide IP+Sodium molybdate Dihydrate BP + Chloine Chloride USP + Inositol USP	50 mg+200 mcg+750 mcg+ 25 mg+10 mg+30 mcg+ 15 mg+2.5 mg+1.4 mg+ 65 mcg+162 mg+15 mg+ 150 mcg+25 mcg+30 mcg+ 8 mg	Film coated tablets

S.No	Name of FDC	Strength	Dosage Form
443	Ferrous fumarate IP+ Folic acid IP + Cyanocobalamin IP + Pyridoxine Hydrochloride IP + Ascorbic Acid IP + Tocopheryl Acetate IP + Zinc Sulphate IP + Manganese Sulphate BP	300 mg+11 mg +10 mcg + 2 mg +75 mg+15 mg + 50 mg +1 mg	Capsules
444	Benfotiamine-50 mg+L-Methyl folate Calcium eq. to L-Methyl folate-200 mcg+methylcobalamin-750 mcg+pyridoxamine dihydrochloride-25 mg+Flavin mononucleotide-10 mg+Biotin BP-30 mcg+Zinc sulphate Monohydrate USP EQ. TO Elemental Zinc-15 mg+Cupric oxide eq. to elemental copper-2.5 mg+manganese chloride USP eq. to elemental manganese-1.4 mg+Chromium chloride USP eq. to elemental chromium-65 mcg+calcium carbonate IP(oyster shell)-162 mg+magnesium chloride ChlorideIP-15 mg+Potassium Iodide IP-150 mcg+Sodium molybdate Dihydrate BP-25 mcg+Choline Chloride USP-30 mcg+Inositol USP-8 mg-Film coated tablet		Film coated tablets
445	Calcium Carbonate IP eq. to elemental Calcium + Calcitriol IP+ VitaminK2-7 + Mecobalamin JP + Magnesium oxide IP eq. to elemental Magnesium + Sodium metaborate eq. to elemental boron + Zinc oxide IP eq. to elemental Zinc	250 mg+0.25 mcg+45 mcg+ 750 mcg+50 mg+1.5 mg+ 7.5 mg	Capsules
446	Liver Fraction +Concentrated Yeast Extract + Alcohol IP	2-4 mg+46.39 mg+10N % v/v per 5ml	Syrup (Label should declare the source for the proteolysed Liver)
447	Calcium carbonate from an organic source (Oyster shell) eq. to elemental calcium + Lysine HCl USP + Vitamin D3 IP	375 mg eq. to 150 mg+ 20 mg+200 IU	Suspension
448	L-Arginine IP + Acetylcysteine IP + Calcium Carbonate IP eq. to Calcium + Grape Seed Extract + Lactobacillus Acidphillus	200mg+ 100mg + 17.2mg + 2.5mg + NLT 2 Billion CFU	Capsules
449	Calcium Carbonate IP eq. to elemental Calcium +Vitamin D3 IP + Vitamn K-2-7	625mg eq. to 250mg+125IU+ 45mcg	Film coated tablets
450	Coenzyme Q10 + L-Carnitine + Lycopene 6% + Zinc +Selenium	100mg+ 500 mg+ 5000 mcg + 57 mg +100 mcg	Tablet
451	Ferric ammonium citrate eq. to iron + Folic acid + cyanocobalamin + Pyridoxine + Sorbitol solution (70 %)	200mg eq to 41 mg+ 1mg+ 7.5 mcg+ 1.5mg+ 750 mg per 15 ml	Syrup

S.No	Name of FDC	Strength	Dosage Form
452	Each Gelatin Capsules contains: Alpha Lipoic acid USP + Eicosapentaenoic acid + Docosahexaenoic acid + Mixed Carotenoids 30% + Manganese (as Manganese Sulfate Monohydrate USP) + Copper (cupric sulfate Monohydrate USP) + Lycopene 10% + Zinc (zinc sulphate monohydrate IP) + Chromium (as chromium nicotinate) + Selenium (as selenium Dioxide USP)	50 mg + 45 mg + 30 mg + 10 mg + 1.50mg + 1.00mg + 25.00 mg + 7.50 mg + 200 mcg + 150mcg	Capsules (Label should clearly specify the quantity of Beta carotene available in mixed carotenoids)
453	Protein Hydrolysate (Contributing 45 mg of Nitrogen) + Light Magnesium oxide BP + Copper sulphate BP + Manganese Sulphate BP + Selenium (as selenium Dioxide Monohydrate USP)	330 mg + 30mg + 1 mg + 4.6mg + 75mcg	Source of Protein Hydrolysate should be mentioned on the label
454	Alpha lipoic acid NF + Eicosa pentaenoic acid + Docosa hexaenoic acid + Mixed Carotenoids 30% oily suspension + Manganese (as manganese sulfate Monohydrate USP) + Copper (cupric sulfate USP) + Lycopene 10% + Zinc (Zinc sulfate monohydrate IP) + Chromium (as chromium nicotinate) + Selenium (as selenium dioxide USP)	50mg + 45 mg + 30mg + 10mg + 1.50mg + 1mg + 5mg + 7.5 mg + 200 mcg + 150 mcg	Label should clearly specify the quantity of Beta carotene available in mixed carotenoids.
455	Mixed carotenoids 30% oily dispersion + Vitamin D3 (cholecalciferol IP) + Vitamin B6 IP + Vitamin B12 IP + Dibasic calcium phosphate IP + Omega 3 fatty acid + Folic acid IP + Nicotinamide IP + Zinc sulphate monohydrate IP + Copper sulphate pentahydrate BP + Manganese Sulphate monohydrate BP + Potassium iodide IP + Magnesium Oxide IP	5 mg + 200 IU + 1mg + 2.50 mcg + 35 mg + 15 mg + 500 mcg + 25mg + 31 mg + 0.10mg + 0.01mg + 0.025 mg + 0.15 mg	The label should clearly mention the content of Beta carotene in the mixed carotene
456	Elemental calcium + Elemental phosphorus + Soya Isoflavones Extract (Standardized to provide Isoflavones 40% -Genistin & Genistein 25% -Daidzin & Daidzein 15%) + Vitamin D3 (stabilized vitamin D3)	200 mg + 100 mg + 75 mg + 100IU	
457	Alpha Lipoic Acid + EPA + DHA + Mixed caretenoid + Manganese + Copper + Lycopene + Zinc + Chromium + Selenium	50mg+ 45mg+ 30mg+ 10mg+ 1.50mg + 1mg+ 25mg+ 7.5 mg+ 200mcg+ 150 mcg	Label should clearly specify the quantity of Beta carotene available in mixed carotenoids.
458	Alpha-amylase IP (Fungal 1:800)+Papain IP+Simethicone IP	100mg+100mg+30mg	Capsule

S.No	Name of FDC	Strength	Dosage Form
459	Peptone+Ferrous Fumarate IP+Folic Acid IP+Vitamin B12 (coated) eq. to Vitamin B12 IP+Copper sulphate Pentahydrate BP	100mg+300mg+1.50mg+15mcg+2.50mg	Capsule
460	Invert Sugar+sodium Chloride IP	10g+0.9g	Saline (Rational, however it can not be considered as FDC)
461	Choline Salicylate BP+Benzalkonium Chloride solution IP	9.0%w/v+0.02%w/v	Solution
462	Calcium Carboante IP (eq. to 1000mg of Calcium)+Cholecalciferol IP (Vitamin D3)	2.5g+400IU	Sachet
463	Calcium Carboante IP+Tribasic Calcium Phosphate IP+Calcium Fluoride+Magnesium Hydroxide IP+Cholecalciferol IP (Vitamin D3) (Coated)	0.375g+75mg+0.5mg+50mg+ 250IU	Unocated chewable tablet
464	Calcium Lactobionate USP (Eq. to 35mg of Calcium)+Iron and ammonium Citrate IP (Eq. to 3mg of elemental Iron)+Zinc sulphate IP (eq. to 5mg of Zinc)+Magnesium Chloride IP (eq. to 5mg of Magnesium)+Manganese sulphate Monohydrate BP (Eq. to 2.0mg of Manganese)+Iodised peptone (eq. to 50mcg of Iodine)	700mg+15mg+2.5mg+ 42.5mg+6mg +0.5mg Per 5ml	syrup
465	Hydroquinone+Tretinoin+Mometasone Furoate	2%w/w+.025%w/w + 0.1%w/w	Cream (Similar combination is already approved)
466	1.25 g Calcium Carboante from an organic source (Oyster Shell) equivalent to Elemental Calcium + Vitamin D3 IP	500mg+ 250 IU	Chewable tablets
467	1.25 g Calcium Carboante from an organic source (Oyster Shell) equivalent to Elemental Calcium + Vitamin D3 IP	500mg+ 250 IU	Sachet
468	Coenzyme Q10(Ubidecarenone USP)+ Eicosapentaenoic Acid+ Docosahexaenoic acid+ Lycopene (as 100%) + Selenium (as selenium dioxide monohydrate USP)	100mg+ 90mg+ 60mg+ 4000mcg+ 70mcg	Soft gelatin capsule
469	Rosuvastatin calcium IP eq.to Rosuvastatin (as film coated tablet) +Clopidogrel (as two film coated tablets) +Ramipril	10mg+75mg+2.5 mg/5mg	capsule
470	Chlorthalidone IP + cilnidipine IP	6.25 mg + 10 mg	Film coated tablet

Note : It may be stated that the above list of FDCs is prepared as per the records available with the office of DCGI. In case any inconsistency is observed, same may be brought to the notice of DCGI for necessary correction/ action.

MINISTRY OF HEALTH AND FAMILY WELFARE

(Department of Health and Family Welfare)

NOTIFICATION

New Delhi, the 22nd June, 2021

S.O. 2449(E).— In exercise of the powers conferred by sub-section (2) of section 20 of the Drugs and Cosmetics Act, 1940 (23 of 1940) read with rule 44 of the Drugs Rules, 1945, the Central Government hereby makes the following amendment further to amend the notification of the Government of India in the Ministry of Health and Family Welfare (Department of Health and Family Welfare) number S.O. 2808(E), dated 30th November, 2012, published in Part II, Section 3, Sub-section (ii) of the Gazette of India, Extraordinary, namely:—

In the said notification, after item number (v) and the entries relating thereto, the following shall be inserted, namely:—

- “(vi) Smt. Swati S. Parikh, Junior Scientific Assistant;
- (vii) Dr. Anantharama G Nayaka, Junior Scientific Assistant;
- (viii) Shri Arun K. Nagarkar, Junior Scientific Assistant;
- (ix) Shri Shrawan Kumar Singh, Junior Scientific Assistant;
- (x) Smt. Aditi Vinod Bandre, Junior Scientific Assistant;
- (xi) Smt. Smita George Chittilappilly, Junior Scientific Assistant;
- (xii) Smt. Anindita S. Nandi, Junior Scientific Assistant;
- (xiii) Smt. Harshada H. Talapadatur, Junior Scientific Assistant;
- (xiv) Smt. Priyanka Rajendra Kori, Junior Scientific Assistant;
- (xv) Shri Ashish W. Yenkar, Junior Scientific Assistant;
- (xvi) Shri Amol Akash, Junior Scientific Assistant;
- (xvii) Shri Ashok Kumar, Junior Scientific Assistant;
- (xviii) Shri Jagdish S. Chaudhari, Junior Scientific Assistant; and
- (xix) Shri Hemant P. Magar, Junior Scientific Assistant.”.

[F.No. X.11014/5/2021-DR]
Dr. MANDEEP K BHANDARI, Jt. Secy.

Note : The principal notification was published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii), vide number S.O. 2808(E), dated the 30th November, 2012 and lastly amended vide notification number S.O. 1521(E), dated the 8th April, 2021.

MINISTRY OF HEALTH AND FAMILY WELFARE

(Department of Health and Family Welfare)

NOTIFICATION

New Delhi, the 22nd June, 2021

S.O. 2450 (E).— In exercise of the powers conferred by sub-section (2) of section 20 of the Drugs and Cosmetics Act, 1940 (23 of 1940) read with rule 44 of the Drugs Rules, 1945, the Central Government hereby amends the notification of the Government of India in the Ministry of Health and Family Welfare (Department of Health and Family Welfare) number S.O. 2810(E), dated 30th November, 2012, published in Part II, Section 3, Sub-section (ii) of the Gazette of India, Extraordinary, namely:—

In the said notification, after item number (iv) and the entries relating thereto, the following shall be inserted, namely:—

“(v) Dr. Dilip Kumar Panda, Technical Officer; and

(vi) Smt. Suparna Maitra, Junior Scientific Officer.”.

[F.No. X.11014/5/2021-DR]

Dr. MANDEEP K BHANDARI, Jt. Secy.

Note : The principal notification was published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii), vide number S.O. 2810(E), dated the 30th November, 2012.

MINISTRY OF HEALTH AND FAMILY WELFARE

(Department of Health and Family Welfare)

NOTIFICATION

New Delhi, the 22nd June, 2021

S.O. 2451(E).—In exercise of the powers conferred by sub-section (2) of section 20 of the Drugs and Cosmetics Act, 1940 (23 of 1940) read with rule 44 of the Drugs Rules, 1945, the Central Government hereby appoints Shri Sumir Rai Bhalla, Technical Officer, Central Drugs Laboratory, Kasauli, District Solan, Himachal Pradesh to be the Government Analyst for the whole of India in respect of the following classes of drugs, namely:—

- (1) Sera;
- (2) Solution of Serum Proteins intended for injection;
- (3) Vaccines (parenteral and Oral);
- (4) Toxins;
- (5) Antigens;
- (6) Anti Toxins;
- (7) Sterilized Surgical Ligature and Sterilized Surgical Sutures; and
- (8) Bacteriophages.

[F.No. X.11014/5/2021-DR]
Dr. MANDEEP K BHANDARI, Jt. Secy.

MINISTRY OF HEALTH AND FAMILY WELFARE

(Department of Health and Family Welfare)

NOTIFICATION

New Delhi, the 25th June, 2021

S.O. 2572(E).—In pursuance of the powers conferred under sub-rule (2) of rule 18 of the Medical Devices Rules, 2017, the following Inspector's of the Central Drugs Standards Control Organisation, appointed by the Central Government under section 21 of the Drugs and Cosmetics Act, 1940 (23 of 1940), are hereby designated, for the whole of India, as Medical Device Officer's for the purpose of the said rules with immediate effect and until further orders, namely:—

- | | |
|--------------------------------------|--|
| 1. Sh. Fahim Khan | 39. Sh. Vishal Tatyasaheb Kachare |
| 2. Sh. Vinod Kumar Gupta | 40. Sh. Sachinkumar Bhagawatrao Kapse |
| 3. Ms. Kamla | 41. Dr. Manoj Nilkant Gambhire |
| 4. Sh. Devendra Pratap Singh | 42. Sh. Raghuvaran Gunda |
| 5. Sh. Venugopal R. | 43. Sh. Prakash Kumar Parida |
| 6. Sh. Deepak Kumar Sethy | 44. Sh. Asheesh Kaundal |
| 7. Sh. Ashish Chauhan | 45. Sh. Shivadev D. |
| 8. Sh. Satinder Pal Singh | 46. Sh. Pranav Bajpayee |
| 9. Sh. Pushap Raj | 47. Ms. Heema Naik |
| 10. Sh. Pramod Kumar | 48. Sh. Ekunkumar Tulshiram Chandekar |
| 11. Sh. Yash Pal Singh | 49. Sh. Gajanan Yadavrao Modhe |
| 12. Sh. Vinod Kumar | 50. Sh. Rajan Kumar |
| 13. Ms. Shalini Bhardwaj | 51. Sh. Mahaveer Singh |
| 14. Ms. Smirithi Sharma | 52. Sh. Aatmaram Digamberrao Kale |
| 15. Sh. Shriniwas Laxman Vasalwar | 53. Ms. Swamini Taran |
| 16. Sh. Rajesh Yadav | 54. Sh. Manoj Kumar |
| 17. Sh. Manvendra Sanjay Teli | 55. Sh. Mohan Guguloth |
| 18. Dr. Chander Hass | 56. Sh. Kumara Swamy Dornala |
| 19. Sh. Harish | 57. Sh. Naveen Reddy Kandimalla |
| 20. Sh. Narender Kumar | 58. Dr. Ranga Harish |
| 21. Sh. Varun Kumar | 59. Sh. Mahender Singh |
| 22. Sh. Manish Kumar | 60. Sh. Pradeep Kumar Jarajana |
| 23. Sh. Sakthivel P. | 61. Sh. Satish Bhausaheb Sangale |
| 24. Ms. Neha Sharma | 62. Sh. Ranjeet Singh Patel |
| 25. Ms. Suyogita Meghashyamrao Tajne | 63. Sh. Anoop Singh Baghel |
| 26. Sh. Deepak Dagar | 64. Sh. Shivraj Subhash Sulgudle |
| 27. Ms. Kusum Singh | 65. Sh. Deepanshu Manchanda |
| 28. Sh. Shashi Kant | 66. Sh. Rajesham Pambala |
| 29. Sh. Sudhir Kumar Singh | 67. Sh. Sandeep Goswami |
| 30. Ms. Purvika Mahajan | 68. Sh. Santhanakrishnan V.S. |
| 31. Sh. Ravendra Verma | 69. Sh. Pradeep Kumar |
| 32. Sh. Deepak Pandurang Nipunge | 70. Sh. Koteswara Rao Thommandru |
| 33. Sh. Sandeep Gill | 71. Sh. C. Hemanth Kumar |
| 34. Sh. Hemant Kumar | 72. Sh. T.M. Chandrasekar |
| 35. Sh. Umesh Chandra | 73. Sh. G. Nishanth |
| 36. Sh. Rakesh Sharma | 74. Sh. Jeetendra Yadav |
| 37. Sh. Shoeb Bismilla Khan | 75. Sh. Chinmaykumar Hasamukhlal Patel |
| 38. Sh. Devagiri A | 76. Sh. Kamlesh Kumar |

77. Sh. Ankush Gupta
 78. Sh. B. Siva Kumar Reddy
 79. Sh. Vijayendra Chary A
 80. Sh. Dinesh
 81. Sh. Arun Kumar Mattapalli
 82. Sh. Lokesh Choure
 83. Sh. Kalicharan
 84. Sh. Sreekanth Kollipara
 85. Sh. Vijay Duppala
 86. Ms. Priya Pandey
 87. Sh. Vikram Mengana
 88. Sh. Sangram Vurumadla
 89. Sh. Pardeep Dahiya
 90. Sh. Swapnil Ramesh Patil
 91. Sh. Ashutosh Kumar
 92. Sh. Dev Kumar
 93. Sh. Mahesh Kumar Saini
 94. Sh. Debashish Nayak
 95. Sh. Mukesh Kumar Bairwa
 96. Sh. Dhayalamurthi Siva
 97. Sh. Abhishek Shankarrao Chawardol
 98. Sh. Raghuram Deekonda
 99. Ms. Nisha Sankhwar
 100. Sh. Mukesh Kumar
 101. Sh. Sridhar Mittapally
 102. Sh. Sandeep Kumar
 103. Sh. Kailash Chander Malik
 104. Sh. Sourabh Mittal
 105. Sh. Devendra Nath
 106. Sh. Rakesh Negi
 107. Ms. Suniti Choudhary
 108. Sh. Manoj Choudhary Jatav
 109. Sh. Pratyush Kumar
 110. Sh. Sri Babu
 111. Sh. Dileep Kumar
 112. Sh. Dinesh Kumar
 113. Sh. Deepak Kumar Sehrawat
 114. Sh. Rakesh Kumar
 115. Sh. V. Kaviyaran
 116. Sh. Abhinav Kapoor
 117. Sh. Sushil Soni
 118. Sh. Dinesh Kumar
 119. Sh. Arun Kumar Prashar
 120. Sh. Vivek Gill
 121. Sh. Bidya Sekhar Mishra
 122. Dr. Bikash Roy
 123. Sh. Roshan Lal Meena
 124. Sh. Chandra Shekhar
 125. Sh. A. Suresh Pradhan

126. Sh. Shyam Narayan Singh
 127. Dr. Pranab Jyoti Das
 128. Sh. Krishanu Burman
 129. Sh. J. Suresh Kumar
 130. Sh. Balakumar Mahalingam
 131. Ms. D. Hemalatha
 132. Dr. S Gopinath
 133. Sh. P. Selvaraj
 134. Dr. C. Sravanan
 135. Ms. Sudha Sukumaran Nair
 136. Sh. Bikramaditya Chowdhury
 137. Sh. Abu Hanif Imran Choudhury
 138. Sh. G Narendra Kumar
 139. Sh. Vanam Anjaneya Mithra
 140. Ms. Sunita Joshi
 141. Dr. Jay Jyoti Roy
 142. Sh. Venumadhav Vurugonda
 143. Ms. Sunitha Seerapu
 144. Mrs. C. Thiruvudha
 145. Sh. Shabeer Ashfaque Abdulla
 146. Ms. A. Anitha
 147. Ms. AAnbuselvi
 148. Ms. Shyamaladevi D
 149. Ms. Sudarmathi S
 150. Dr. Vijai Singh Karwasara
 151. Sh. Amol Eknath Kandekar
 152. Sh. Akash Rama Kondalkar
 153. Sh. Popat Dattatraya Thorat
 154. Sh. Hemant Madhukar Patil
 155. Sh. Baljeet Singh
 156. Dr. Sachin Yadaorao Bhagwate
 157. Dr. Naveen Mehta
 158. Sh. Bibekananda Behera
 159. Sh. Pushpraj Kumar Singh
 160. Sh. Chandrashekhar Anaji Pawar
 161. Sh. S.R. Manikandan
 162. Sh. Parthiban J.
 163. Sh. Surender Kumar Kaswan
 164. Sh. Arvind Singh Panwar
 165. Sh. Saurabh Garg
 166. Sh. Rahul Panwar
 167. Sh. Ketankumar Pravinchandra Panchal
 168. Sh. Manish Neekhra
 169. Sh. Sunil Kumar Malviya
 170. Sh. Avinash Kumar Yadav
 171. Sh. Basant Kumar Yadav
 172. Sh. Rahul Singh

[F.No. X.11035/293/2020-DR]

Dr. MANDEEP K BHANDARI, Jt. Secy.

MINISTRY OF HEALTH AND FAMILY WELFARE

(Department of Health and Family Welfare)

NOTIFICATION

New Delhi, the 28th June, 2021

S.O. 2609(E).—Whereas, there has been an outbreak of COVID-19 pandemic in India and worldwide;

Whereas, the Central Government is satisfied that making available suitable COVID-19 vaccines is essential to meet the requirements of emergency arising due to pandemic COVID-19, and in public interest it is necessary and expedient to regulate the testing of COVID-19 vaccines for prevention and treatment of COVID-19 infection;

Whereas, the Central Government is of the considered view that supply of COVID-19 vaccines may not get affected and the vaccines must remain available to the public;

Now, therefore, in exercise of the powers conferred by sections 6 and 26B read with section 33P of the Drugs and Cosmetics Act, 1940 (23 of 1940) and rule 3 of the Drugs Rules, 1945, the Central Government, hereby directs that National Centre for Cell Science (NCCS), NCCS Complex, Pune, in addition to their existing functions, shall perform the function of Central Drugs Laboratory as an additional facility in respect of COVID-19 vaccines and the functions of the Director in respect of COVID-19 vaccines shall be exercised by the Director of the said Institute.

2. In case of any inconsistency between this notification and any rule made under the said Act, the provisions of this notification shall prevail over such rule in public interest so as to meet the emergency which has arisen due to COVID-19 pandemic.
3. This order shall come into force on the date of its publication in the Official Gazette and shall remain valid for a period of twelve months.

[F. No. X.11014/9/2021-DR]
Dr. MANDEEP K. BHANDARI, Jt. Secy.

HEARTFELT CONDOLENCES

Shri T. S. Jaishankar



DOB: 09.01.1949

DOD: 31.05.2021

Shri T. S. Jaishankar, founder and Managing Director of M/s. Chemech Laboratories Ltd and M/s. Quest Life Sciences (India) Pvt Ltd. He is one of the trustee of our trust and actively participated and headed various committees in IPA and IPCA conferences

A senior Pharma industry captain in the country, Shri T. S. Jaishankar held various positions in several pharmaceutical industry associations including Confederation of Indian Pharmaceutical Industry (CIPI), Indian Drug Manufacturers' Association (IDMA) and Tamil Nadu Pharmaceutical Manufacturers Association (TN PMA), National Alliance of Pharmaceuticals Manufacturers Association (NAPA), and Trustee of Tamilnadu Pharmaceutical Sciences Welfare Trust.

An industrialist with varied experience in Pharma industry and clinical research, Shri T. S. Jaishankar entered into the Pharma sector by starting Chemech Laboratories, a manufacturing and marketing firm for hormone products. He worked hard for the growth of the small and medium enterprises (Pharma SMEs) in the country. In Tamil Nadu, he was part of all associations and activities connected with the pharmaceutical sector.

Shri. T. S. Jaishankar was formerly the president of CIPI, president of TN PMA, President of NAPA,. While he was the president of CIPI, he brought all the Pharma SME units under one umbrella. With his sudden death the Indian pharma industry has lost a great supporter and a big leader.

We lost an active trustee and pray for his soul rest in peace. We extend our condolences to his family.

Shri. M. Sardarmal Chordia



DOB: 25.12.1938

DOD: 09.06.2021

Shri. M. Sardarmal Chordia, was Chairman & Managing Director of M/s. Medopharm, and founder trust of our Trust.

Medopharm, founded in 1970 with a single manufacturing unit formulating only 2 products. Today, Medopharm has two manufacturing units (Guduvancherry, Chennai & Malur, Karnataka) captured the pharmaceutical market on a global scale with 300+ product range in over 100 countries.

He was also held various positions, former president of The Pharmaceutical Manufacturers Association (PMA), Tamilnadu.

Taking over as the Secretary of A. M. Jain College in 1990, transformed the college, improved infrastructure to a great extent. From a few hundred students in 2,000, now there are nearly 8,000 students in the self-financing stream of the college. In the last three decades, he added over 120 classrooms, 7 labs with 450 computers, established a new seminar hall and visual communication lab.

He started two COVID care centres, where patients were not charges for blood tests, scans and food was given free. He also started a free food distribution programme for those affected by COVID.

We extend our heartfelt condolences on behalf of Tamilnadu Pharmaceutical Sciences Welfare Trust, to his Family Members.

NEWS

Keen to Lease HLL Biotech to Produce Vaccines: TN to Centre

A decision would be made in a week, Central Ministers assure TN delegation

The Tamil Nadu government has proposed to the Centre that it is willing to take on lease the Central PSU, HLL Biotech, for Covid vaccine production, in case the latter does not want to revive it.

TN team meets Goyal

A high-level delegation from the Tamil Nadu government, led by Industries Minister T Thennarasu, on Thursday, met the Union Commerce & Industry Minister Piyush Goyal and Minister of State for Chemicals and Fertilisers Mansukh Mandaviya, to explore the possibility of reviving the Integrated Vaccine Complex of HLL Biotech, located in Chengalpattu.

The TN team, which also included TR Baalu, DMK leader in the Lok Sabha, told the Ministers that the unit should be revived immediately by the Centre and, if it cannot, it should allow the State to take the facility on lease so that vaccine production could start at the earliest. According to them, funds worth ₹300 crore would be required to start production.

Health Minister Harsh Vardhan, under whose Ministry HLL Biotech falls, however, could not attend the meeting due to his preoccupation with the World Health Assembly meeting.

Tender floated

During the meeting here, which lasted for 30 minutes, the Central Ministers assured the TN team that they would get back to them in a week's time with a decision. They also said that a couple of private firms have responded to a tender floated by HLL Biotech. A decision can only be taken after considering these proposals. Meanwhile, TN Chief Minister MK Stalin has urged Prime Minister Narendra Modi to intervene immediately and hand over the Integrated Vaccine Complex at Chengalpattu to the State government for vaccine production with the help of a private partner.

The facility is lying unutilised. The Centre has already invested around ₹700 crore in the facility, which is almost completed but has been lying unutilised for want of additional funds. The recent attempt to find a private partner to run the facility has also not borne fruit, as there were no bidders for it.

"I am very keen that this modern facility must be made functional immediately, in the interest of our State as well as our nation. This would substantially enhance the nation's vaccine production capacity and cater to the vaccine requirements of the country as a whole and Tamil Nadu in particular," said Stalin.

"I wish to propose that the assets of IVC may be handed over to the State government on lease, without any past liabilities and with full operational freedom," the letter said

The State government will identify a suitable private partner immediately and will make all efforts to commence vaccine production at the earliest. A suitable financial arrangement for the Central government to recover a part of its

investment can be subsequently worked out after the commencement of operations,” said the letter.

Source: *The Hindu, Business Line*, 27th May 2021



TN Pharma Industry Seeks 15% Price Preference for Local Suppliers in Public Tenders

The Tamil Nadu chapter of the Indian Drug Manufacturers Association (TN IDMA) and the association of pharma MSME units (TN PMA) are bracing themselves for seeking 15% price preference for the local suppliers while participating in public tenders.

This benefit for the pharmaceutical manufacturers was discontinued in 2012 and from the year onwards the industry association has been demanding to the government to revive it. Since nothing has been done positively on their demand so far, the leaders of the industry are now preparing to submit a memorandum to the chief minister and to the state chief secretary with a request to consider the demand once again for the growth of the pharma MSMEs in the state.

“The Tamil Nadu Medical Services Corporation Ltd (TN MSCL) had done away with the provision of price preference nine years ago which the industry now wants the new government to revive to boost the state's pharmaceutical manufacturing sector”, doyens of the TN pharma industry told Pharmabiz while drafting a memorandum to the government.

The price preference of 15% is a

mandatory marketing assistance to be given to the MSME units under the National Small Industries Corporation (NSIC) scheme.

Talking to Pharmabiz, the chairman of TN IDMA, J Jayaseelan said when the TNMSCL was started functioning in 2001 the local manufacturers in the state received preference in the purchase by the corporation at a rate of 15% in the bidding. During the benefit period several domestic players, most of them are MSME units, participated in the bidding and supplied to the government's requirements. This scheme continued for a long period but in 2012 the corporation stopped in extending the benefit to the local manufacturers.

Since it has ceased to exist now, very few number of manufacturing companies from Tamil Nadu are participating in the tender process. If TNMSCL revives the scheme, most of the local companies will participate in the bidding and companies from other states will establish their manufacturing plants in Tamil Nadu, Jayaseelan said.

Fully trusting the new government for achieving many things for the growth of the industry, Jayaseelan said TN IDMA will

seek the attention of the government to the proposed centrally sponsored project, National Institute of Pharmaceutical Education and Research (NIPER) in Madurai. The project is envisaged to develop the R&D wing in the pharma sector which lags behind in research areas. He states one fact, which he wants to take up with the government, that although Tamil Nadu performs well in healthcare sector, it has not progressed that much in the pharmaceutical sector. He said, if the government lends a helping hand to the TN pharmaceutical industry, it will make the industry globally competitive. This area of development has to be taken to the government and TN IDMA is going to apprise the chief minister about the requirements for the overall development of the industry.

Another demand of the industry to be highlighted in the representation to the government is that on the lines of the biotechnology policy, which was already announced in the state, the industry wants an

exclusive 'pharma policy' for Tamil Nadu. The leaders of the industry hope that a new pharma policy will help make the state as a hub of Indian pharmaceutical industry with achievements in formulation industry, bulk drug industry, nutraceuticals and allied sectors.

The team of industry leaders visited the CM at his office to hand over the relief fund included SV Veeramani, chairman of TN PWT, MD Varadarajan, president of TN PMA, J Jayaseelan, chairman of TN IDMA and T Satheesh, secretary of TN IDMA.

However, last week they called on the CM at his office and handed over a cheque of Rs 50 lakh to the Chief Minister's Covid Relief Fund. The amount was shared by TN IDMA, TN PMA and TN Pharmaceutical Welfare Trust, a charity organisation under the TN IDMA.

Source: *Pharmabiz*, 14th June 2021

Mumbai Pharma Co May Raise Rs 1200 Cr By Selling Minority Stake

Mumbai-based pharmaceuticals firm FDC Ltd is looking to demerge its top selling non-prescription brands into a separate entity and raise up to Rs 1,200 crore by diluting a significant minority stake, taking advantage of overwhelming investor interest in drugmakers and healthcare firms.

Multiple people aware of the development, that the major brands to be brought under the new entity include the market leading ORS brand Electral and energy drink Enerzal. The over-the-counter (OTC) business has a revenue of around Rs300 crore

and is likely to be valued at Rs2,500 crore.

Feelers were sent to larger FMCG firms including Hindustan Unilever, P&G, Zydus Wellness besides some private equity funds including ChrysCapital and Warburg Pincus. The management may also sell the brands altogether or divest a controlling stake depending on the valuations offered, said one of the sources cited above.

Pricewaterhousecoopers India is working with the company on the demerger and creation of the relevant new unit.

Electral, the largest selling Oral Rehydration Salts (ORS) brand, holds about 72% share in the anti-diarrheal market in India. The market share of Electral went up from 68% in FY19 to 72% in FY20. Electral has posted revenue of about Rs230 crore in FY20, said one of the sources.

"FDC promoters wanted to keep the majority stake in this proposed demerged entity and expand the business through the strong distribution channels of FMCG majors in India," said one of the sources. The immediate plan is to dilute about 49% stake, he added. However, the promoters also wanted to explore opportunities with PE investors.

FDC, Warburg Pincus, HUL and ChrysCapital declined to comment, while mails sent to P&G and Zydus Wellness remained unanswered.

"Enerzal and Electral have established themselves as wellness brands and are increasingly being bought off the-shelf by consumers. Recognising that there is ample headroom to grow these brands further as health awareness increases, the company is investing in enhancing brand visibility and customer outreach," said Mohan A. Chandavarkar, Managing Director, FDC, in the company's FY20 annual report.

Founded in 1936, FDC Ltd. has a strong presence in Oral Rehydration Salts (ORS) and Ophthalmics sectors in India. The company has strong presence in therapeutic segments including anti-infectives, anti-diabetes, cardiac, dietary supplements, gastrointestinal, gynaecology and respiratory.

Besides Electral and Enerzal, FDC's leading brands in India include antibiotic tablets Zifi, Zathrin, Zipod; Vitcofol (iron tablet), Pyrimon eye drop, Zocon (anti-fungal tablet), skin cream Cotaryl and antiseptic powder Mycoderm.

Through multiple buyouts, HUL had expanded its presence in the healthcare consumer space in India.

In India, HUL sells top-selling OTC and oral health products such as Eno, Crocin, Otrivin and Sensodyne following its merger last year with GlaxoSmithKline Consumer Healthcare.

After the merger, HUL also owned blockbuster brands such as Horlicks, Boost and Maltova. Last year, HUL had acquired VWash, a market leader in the female intimate hygiene category, from Glenmark Pharmaceuticals.

Similarly, P&G also expanded its footprint in the consumer health business in India through acquisition of Merck Ltd, which owned the largest selling vitamin brands Neurobion, Polybion and Evion. P&G also sells top brands cod-liver oil capsule Seven Seas, nasal decongestant Nasivion, and iron supplement Livogen.

Driven by better healthcare awareness, rise in incomes, increased access to insurance and greater frequency of lifestyle-related diseases, India's healthcare market is expected to reach \$372 billion by 2022, KPMG said in a note in February. The Indian government aims at increasing healthcare spending to 2.5% of the GDP by 2025, it said.

In recent years, consumer healthcare businesses were in the limelight, mainly because of better access to technology and healthcare awareness. In 2019, Zydus Wellness bought Kraft Heinz's consumer

brand businesses in India, which include Complan.

Source: *ET Healthworld*, 8th July 2021



Notification on Clinical Pharmacist Posts Draws Praise

In what could be considered a game-changer move in healthcare management in the country, the Centre has cleared decks for appointment of clinical pharmacists in hospitals to take care of drug administration of patients.

This is significant in the wake of widespread complaints about drug mismanagement during Covid-19 where prescription of high doses of steroids and antibiotics resulted in new health disorders among victims.

would help graduates of Pharm-D courses to exclusively handle drug administration in hospitals.

Doctor of Pharmacy Association (DPA) welcomed the move of Pharmacy Council of India and the ministry of health and family welfare.

"This is the first step for ensuring that clinical pharmacists get a place in hospitals. We are now going to work with the central and state governments to get it implemented in all hospitals," Dr Sai Kumar Katam, national president of DPA. He added that the World Health Organisation (WHO) has recommended having a clinical pharmacist in every hospital as per the patient ratio, in order to provide cost effective and safe treatment to patients.

Considered as an important cog in the wheel of the healthcare delivery mechanism, unlike developed countries, the role of clinical pharmacists is less defined in India. The new regulations will add a new dimension to clinical pharmacy practice which has so far remained in the background. Pharmacists will now be able to support patients in the use of medicines besides taking part in clinical decision-making.

MOVE TO EASE BURDEN ON PHYSICIANS

<ul style="list-style-type: none"> > Clinical pharmacists have extensive clinical knowledge and expertise in the use of medications and are one of the most accessible of all healthcare professionals 	<ul style="list-style-type: none"> > They will also play a role in health promotion, education and disease prevention and mitigation
<ul style="list-style-type: none"> > Clinical pharmacists are uniquely positioned in the healthcare system to help patients optimise appropriate medication use, reduce medication related problems and improve health outcomes through the delivery of clinical pharmacist-provided patient care services 	<ul style="list-style-type: none"> > The right use of medicines in the right dose at the right time can prevent the emergence of multidrug resistance
<ul style="list-style-type: none"> > The clinical pharmacist will be an essential resource and also reduce the burden on physicians 	



Now, the Union government has brought an amendment to the Pharmacy Act, 1948, and Pharmacy Practice Regulations, 2015, to incorporate a 'Clinical Pharmacist and Drug Information Pharmacist' position. This

“India accounts for 5.2 million injuries annually with medication errors and adverse drug reactions. The need of the hour is to detect and manage adverse drug reactions,

assist physicians in individualising the drug dosage regimen,” said Dr Sai Kumar.

Source: *The Times of India*, 8th July 2021



Covid-19 Management: Thermometers, BP Machines, Oximeters Set to Get Cheaper

The drug price regulator capped the trade margin of five widely-used medical devices, particularly for management of Covid-19, like pulse oximeter, blood pressure monitoring machine, nebulizer, digital thermometer and glucometer at 70%.

The move is expected to result in a significant drop in MRP of these products that are in high demand with many Covid patients under home isolation and treatment needing regular monitoring of blood pressure, blood sugar and oxygen level as well as fever, etc. The data collected by the National Pharmaceutical Pricing Authority (NPPA) shows earlier the margins were ranging up to 709% from price to distributor to MRP level.

The revised prices will come into effect from July 20 and remain in force up to January 31, 2022 or until further orders, whichever is earlier, the regulator said. The regulator invoked provisions of the Para 19 of the Drugs (Prices Control) Order in 'public interest' to regulate the price of these five devices under the 'Trade Margin Rationalisation Approach'.

Manufacturers of such medical devices have been asked to revise their retail price based on the price at the first point of sale

of product or the price to the stockist after including the trade margin as capped. Manufacturers who are selling at a price which assumes a higher trade margin than what is capped now, will now have to revise prices downward and the NPPA has asked the manufacturers for a price list and a copy to state drug controllers and dealers by July 20. The MRP will be according to the fixed trade margin.

Trade margin is the difference between the price at which a manufacturer sells the device or product to a distributor or stockist and the price paid by the end consumer (MRP). Every retailer, dealer, hospital and institution will have to display the price list and the supplementary price list, as furnished by the manufacturer, in a manner so as to be easily accessible to any person wishing to consult the same, NPPA said.

Any manufacturer not complying will be “liable to deposit the overcharged amount along with 15% annual interest from the date of increase in price in addition to penalty of up to 100% of the overcharged amount, it said.

Source: *The Times of India*, 14th July 2021



Three Pharma Companies Want to Operate Tamil Nadu Vax Park

After initial invitation of bids failed to yield results, three pharmaceutical companies — Arvind, Morepen and Covaxin-maker Bharat Biotech — have now expressed interest to operate the Integrated Vaccine Park in Chengalpet, the Union health ministry has told state officials.

Work to start vaccine production at the Pasteur Institute in Coonoor is also at an advanced stage, officials said.

Tamil Nadu has been continuously urging the Centre to commence production of Covid vaccines in these two units. The 100-acre IVC — established in 2012 by the UPA government for manufacturing vaccines against rabies, measles, Japanese Encephalitis, and Hepatitis B — was never put to use. TN's request to the Centre to give the facility on lease was also turned down.

TN health minister Ma Subramanian will meet his Union government counterpart Mandaviya with a host of demands including more vaccines for TN. "We will ask Centre to start vaccine production at IVC and Pasteur Institute, start admitting students at AIIMS in Madurai, and will seek exemption from NEET,," Ma Subramanian said.

Health minister in Delhi to urge Centre to boost TN vax supply

Health minister Ma Subramanian left for New Delhi, to put pressure on the Union health ministry for more vaccines for Tamil Nadu. Though the average number of vaccinations a day has improved, the state still has to cover more than 10 crore doses. The

minister said he would ask the health ministry to make up for the unequal distribution by increasing supply by another two crore doses, he said.

Chief minister M K Stalin had earlier requested PM Narendra Modi to provide 1 crore doses immediately as a special allocation. This will be discussed on priority at the meeting Subramanian told reporters at Chennai. Asked if three firms have approached to manufacture vaccines at HLL Biotech unit at Chengalpet, Subramanian said, "We will be stressing on the need to start vaccine manufacturing at Chengalpet and Coonoor Pasteur Institute as early as possible."

The HLL unit, established at ₹700 crore, has been lying idle for more than a decade and tenders floated (inviting bids to use the premises for manufacturing vaccines) attracted no response.

After reporting more than 3 lakh vaccinations for the past two days, TN reported a drop in vaccination rate. On Wednesday, the state administered 2,07,259 doses — 1,57,689 doses of Covishield and 49,570 doses of Covaxin. This took the total vaccination figure to 1.7 crore.

According to Union health ministry data, roughly 30 lakh people in Tamil Nadu received both doses of the vaccine. This is roughly less than 5% of the state's population.

Some districts reported an acute shortage for a second dose of Covaxin. When the announcement on Covaxin being available

broke, people thronged vaccine camps, particularly those in the central region. For instance, more than 2,000 people arrived at a Pudukkottai centre, which had only 500 doses in stock.

In Chennai city limits, people were sent back from corporation vaccine centres on Wednesday due to shortage.

Source: *The Times of India*, 15th July 2021



Costs of Raw Material for Drugs Rise by up to 140%

A steep rise in the cost of raw materials for essential drugs, called active pharmaceutical ingredients (API) in pharma circles, by up to 140% in certain cases since the pre-pandemic level, is pinching the industry hard. The overall increase, averaging nearly 50% in the wake of high-priced imports and supply disruptions from China, have raised doubts on the availability of drugs and could lead to shortages, particularly of those that are key in Covid therapy.

API prices of certain drugs like fever and pain relief drug paracetamol and life-saving antibiotic Meropenem (also used for Covid), and anti-diabetic metformin, have more than doubled to as high as 139%, 127% and 124% respectively, putting the spotlight back on India's near total-dependence on the Dragon.

Nearly 70% of the country's APIs are imported from China, while the dependence is as high as 90% for certain life-saving antibiotics like cephalosporins, azithromycin and penicillin.

Since these medicines are under price control, companies are forced to absorb the higher cost, raising questions about their viability in future. In this scenario, over a period

of time, certain medicines could disappear from retail shelves with companies switching to high-value products where margins are protected.

In the wake of limited availability, patients may have to bear the brunt and be forced to shift to newer, steeply priced alternatives, industry experts say.

Dependence on China for key APIs has been an ongoing concern for the industry, affecting crucial raw materials for manufacturing cardio-vascular, diabetes, antibiotics, anti-allergics and vitamins. But since Covid, the price increase has been sharp.

"API prices for some of our products have seen a sharp increase during the year," a GSK Pharma executive told TOI. The executive added, "Since we have long-term contracts for paracetamol tablets, the percentage increase has been 75%, and for paracetamol suspension 115% (approximately) over the last year."

Adding to the industry's woes, packaging and freight costs have also jumped manifold.

AVAILABILITY MAY TAKE A HIT

Avg price rise of some APIs/raw materials from pre-Covid to June '21 (in %)

100% | Extent of price rise in packaging materials between Oct-Dec 2019 and Apr-May 2021

360% | Rise in shipping freight rates from China for 40ft container (cost per kg)

233% | Rise in shipping freight rates from China for 20ft container (cost per kg)



Paracetamol (pain & fever relief)	139
Metformin hydrochl. (Diabetes)	124
Ascorbic Acid (vitamin C)	55
Omidazole (antibiotic)	51
Nimesulide (pain)	40
Azythromycin dihydrate (antibiotic)	36

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"Industry has been facing a huge cost escalation due to imported raw materials and excipients — in some drugs as steep as 200%. There have also been massive increases in freight rates, transportation and packaging costs," Indian Drug Manufacturers' Association ED Ashok Madan said.

Reeling from this, the industry in March sought a one-time price revision of 20% in ceiling prices across the board, while recently it asked for specific molecules. It has also said that implementation of a revised National List of Essential Medicines be deferred till December to prevent rude shocks, if any.

Scheduled drugs are allowed an

annual price increase by the drug pricing regulator, in line with the annual Wholesale Price Index. Non-scheduled drugs — prices of which are not controlled — are allowed an annual increase of 10% under the Drug Price Control Order, 2013.

Recently, the National Pharmaceutical Pricing Authority allowed a one-time 50% increase in prices in three key drugs — anti-epileptic carbamazepine, antacid ranitidine, and analgesic ibuprofen. Last year, blood thinner Heparin, widely used in Covid therapy, was allowed a similar increase. Significant disruptions caused by the pandemic spurred India's decision last year to delink from China. With the objective of becoming Atma Nirbhar, the government announced a Rs 6,940-crore scheme for promoting indigenous production. "The government has said that they will help API companies with faster clearances under environmental laws by placing them in a more liberal category. That should help with improving manufacturing and reducing costs in the short term," PwC India partner & pharma leader Sujay Shetty said.

Source: *The Times of India*, 20th July 2021

High Court Order on Diabetes Drug Patent May Reduce Prices

The cost for treating diabetes is expected to come down with the Delhi high court having dismissed an appeal by AstraZeneca, which had sought the restraining of the generic versions of a blockbuster drug.

The global pharma firm was also suing a host of domestic companies for the

infringement of patents covering the drug. The HC order paves the way for more affordable versions soon by domestic companies of the blockbuster anti-diabetes drug Dapagliflozin in the market.

In a judgment on July 20, a division bench of the Delhi high court dismissed

AstraZeneca's appeal, saying it found no reason to interfere with earlier orders of last year on two patents. In November, the court had rejected AstraZeneca's application seeking a restraining order against marketing of the anti-diabetes drug by generic companies, including Intas, Alkem, Zydus, Eris LifeSciences, USV, Torrent, MSN, Micro Labs and Ajanta.

With nearly a dozen companies launching generic versions at competitive prices, the stage is set for a price war between the players to get a slice of the growing Rs 15,000-crore diabetes market, experts said.

AstraZeneca holds two patents for Dapagliflozin in the country — the first (IN 147) expired in October last year, while the second (IN 625) will expire in May 2023. Simply put, the second patent was not found to have inventive merit over what was already existing in prior art (earlier patent), legal experts told TOI.

AstraZeneca's Dapagliflozin is sold under the brand Forxiga, and is part of a popular class of drugs called SGLT2 inhibitors, valued at around Rs 5,000 crore.

S Majumdar, representing the generic companies' side, said, "It's a landmark decision in patent law, recognising the need to avoid double-patenting. In this case, it has a direct impact on diabetic patients since, after the expiry of the term of first patent of Astra for Dapagliflozin, various generic companies are able to also make available the drug at competitive prices."

The bench said, "We, at least at this stage, are unable to, in the face of the aforesaid pleadings of the appellants/plaintiffs themselves, find any difference between IN 147 and IN 625." The order, accessed by TOI, said,

"In our opinion, with respect to one

invention, there can be only one patent. The appellants/plaintiffs herein, however, while claiming one invention only, that is, DAPA, are claiming two patents with respect thereto, with infringement of both, by the respondent(s) / Defendant(s). The same alone, in our view, strikes at the very root of the claim of the appellants/plaintiffs and disentitles the appellants/plaintiffs from any interim relief."

Imposing a fine on AstraZeneca, the order said, "There is thus no merit in the appeals, which are dismissed, with costs assessed at Rs 5 lakh to the respondent(s)/defendant(s) in each of the suits."

The overall fine will be Rs 45 lakh. Significantly, the bench noted, "To hold, that an inventor, merely on the basis of his work, research, discovery and prior art, but which has not yielded any product capable of commercial exploitation, is entitled, by obtaining patent thereof, to restrain others from researching in the same field, would in our view not be conducive to research and development and would also be violative of the fundamental duties of the citizens of this country, enshrined in Article 51A of the Constitution of India, to develop the scientific temper and a spirit of inquiry. The same will enable busy bodies to, by walking only part of the mile, prevent others also from completing the mile."

"We are also of the prima facie view that once the appellants/plaintiffs, before the USPTO applied for and agreed to the validity period of US patent equivalent of IN 625 ending on the same day as the validity period of the US patent equivalent to IN 147, the appellants/plaintiffs, in this country are not entitled to claim different periods of validity of the two patents," it added.

Source: *The Times of India*, 22nd July 2021



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