

Biro Pengawalan F<mark>armaseutikal Kebangsaan,</mark> Kementeria<mark>n Kesihatan Malaysia</mark>

# FOOD-DRUG INTERPHASE (FDI) PRODUCT

WHO Collaborating Centre
For Regulatory Control of Pharmaceuticals



Member of Pharmaceutical
Inspection Cooperation Scheme



MS ISO 9002 REG. No : AR 1171

National Pharmaceutical Control Bureau
Ministry of Health Malaysia
Lot 36, Jalan Universiti
46200 Petaling Jaya

**MALAYSIA** 

Tel: 603-78835400 Fax: 603-79581312

Website: www.bpfk.gov.my

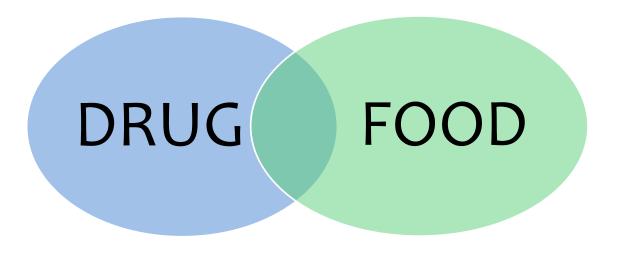
MS ISO 9001:2000 Certified

## PRESENTATION OUTLINE

- \* Introduction: Food, Drug and Food-Drug Interphase
- \* Classification of FDI Products
- \* Circular
- Classification Application
- \* Summary

## INTRODUCTION

Food-Drug Interphase Products (FDI)



## **ACT & REGULATIONS**

Food

#### **FOOD ACT 1983**

FOOD – every article manufactured, sold or represented for use as food or drink for human consumption or which enters into or is used in the composition, preparation, preservation, of any food or drink

Regulated by Food Safety and Quality Division (FSQD)

Approval is not required before the product is marketed

Drug

CONTROL OF DRUGS AND COSMETICS REGULATIONS 1984

\*\*

Regulated by National Pharmaceutical Control Bureau (NPCB)

Approval is required before the product can be marketed

#### DEFINITION

#### **PRODUCT**

#### 'Product' as defined in the Regulations:

#### **Control of Drugs and Cosmetics 1984**

A 'drug' in a dosage unit or otherwise, for use wholly or mainly by being administered to one or more human beings or animals for a medical purpose.

A 'drug' to be used as an ingredient of a preparation for a medicinal purpose;

#### Sale of Drugs Act 1952

'Drug' includes any substance, product or article intended to be used or capable, or purported or claimed to be capable of being used on humans or any animal, whether internally or externally for a medicinal purposes



DAIRY PRODUCTS, MILK BASE PRODUCTS, MALT PRODUCTS



**INSTANT (3 IN 1) DRINK** 



**SOFT DRINKS, CANNED DRINKS, FRUIT JUICES** 

#### DRUG

- \* Products with conventional drug presentation and use (100 % active ingredient and/or in pharmaceutical dosage form such as capsule, tablet, softgel or sublingual) shall be classified as drug and need to be registered.
- \* This category of products shall be regulated by National Pharmaceutical Control Bureau (NPCB).



## DRUG PRODUCTS



PRESCRIPTION PRODUCT: opium, cannabis



OTC PRODUCT: cough syrup, laxative products

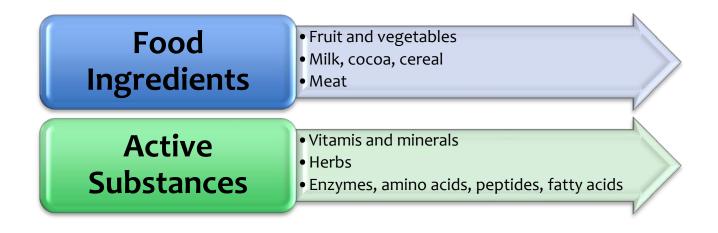


HEALTH SUPPLEMENT PRODUCTS

TRADITIONAL PRODUCTS

## FOOD-DRUG INTERPHASE (FDI)

\* FDI Products: Products for oral consumption containing a combination of food ingredients with active substances



## FOOD-DRUG INTERPHASE COMMITTEE

- \* FDI Committee-Since 2000
- \* To assist both NPCB & FSQD in classifying, in a consistent manner, FDI products which are not clearly defined either as a food or drug product.
- \* The Committee also serves as a platform in strengthening and updating the relevant regulations as well as to provide scientific input on these products.
- \* Classification of FDI product by single authority NPCB
  - For consistency in decision making

- A. Food based products with/without the addition of active ingredients (eg: herbs, vitamins and minerals)
- B. Energy/Isotonic drink, Sports Nutrition and Food for Special Purpose



- (Eg: Cake, Chocolate, Sweets, Gummies, Noodles)
- D. Products used for cooking and food preparations
  - (Eg: Olive Oil/Palm Oil/Sunflower Oil, Turmeric)
- E. Herbs and spices in crude form

Controlled by Food Safety and Quality Division (FSQD)







A. Food based products with/without the addition of active ingredients (eg: herbs, vitamins and minerals)







I. Instant drink with sugar and creamer

(Eg: 3 in 1 coffee, Chocolate drink)

II. Essence
Product (Liquid)
(Eg: Chicken
essence, Fish
essence)

III.Ready to drink beverages

(Eg: Canned/Boxed drink)

A. Food based products with/without the addition of active ingredients (eg: herbs, vitamins and minerals)







IV.Cordial
(Eg: Red dates essence,
Grape essence)

V. Vinegar (Liquid)

(Eg: Apple cider vinegar, Dates vinegar)

VI.Honey (Liquid)

(Eg: Pure honey, Honey with herbs)

B. Energy/Isotonic drink, Sports Nutrition and Special Purpose Food

SPECIAL PURPOSE FOOD



**ENERGY DRINK** 



September 1997 In Column 1997 In Col

**SPORTS NUTRITION** 





#### C. Conventional Food Forms

\* (Eg: Cake, Chocolate, Sweets, Gummies, Noodles)









- D. Products used for cooking and food preparations
  - \* (Eg: Olive Oil/Palm Oil/Sunflower Oil, Turmeric)







#### E. Herbs and spices in crude form





#### FDI PRODUCTS CLASSIFICATION

- \* The classification of FDI products are based on criteria, as outlined below:
  - \* the presence of ingredient listed in Negative List For Food and/or
  - \* any medicinal claims which fulfill the definition of medicinal purpose according to the Sale Of Drugs Act 1952

## NEGATIVE LIST FOR FOOD

## NEGATIVE LIST FOR FOOD

- Gamat
- Gypsum Fibrosum
- Red Yeast Rice
- Natto extract
- Placenta
- Bile (Hempedu)
- Glucosamine
- Hyaluronic acid
- Glutathione
- Gamma-amino Butyric Acid (GABA)
- Resveratrol
- Pearl

## NEGATIVE LIST FOR FOOD

- Actaea
- Artemisia Spp.
- Azadirachta indica
- Brucea javanica, Brucea amarissima
- Bufo gargarizans Cantor, Bufo melanostictus Schneider, Bufo vulgaris Lour
- Chelidonium majus
- Conium maculatum
- Coptis chinensis, Coptis teeta
- Croton tiglium L

## NEGATIVE LIST FOR FOOD

- Datura spp
- Digitalis spp.Dryobalanops lanceolata Burck
- Fritillaria spp.
- Gelsemium semperi virens
- Hypericum perforatum
- Mahonia aquifolium, Mahonia repens, Mahonia nervosa
- Melanorrhoea usitata Wall.
- Mucuna pruriens
- Mylabris phalerata, Mylabris cichorii
- Nerium indicum
- Nerium oleander

#### NEGATIVE LIST FOR FOOD

- Phellodendron amurense,
   Phellodendron chinense
- Plumbago indica
- Plumbago zeylanica
- Psilocybe cubensis
- Sanguinaria canadensis
- Scilla sinensis
- Sophora tomentosa
- Spigelia marilandica
- Strophanthus spp.(all species)
- Symphytum peregrinum
- Strychnos ignatii,
- Strychnos lucida,
- Strychnos roberans

## NEGATIVE LIST FOR FOOD

#### Notes:

- \* This list:
  - \* is a compilation by the food-drug interphase (FDI) committee.
  - \* is comprehensive and non-exhaustive.
  - \* shall/ can be amended from time to time
  - \* shall be read in conjunction with the current laws and regulations together with other relevant legislations, where applicable, governing pharmaceutical and natural products for human use in Malaysia, which include but not limited to the following:
    - a) Sale of Drugs Act 1952;
    - b) Control of Drugs and Cosmetics Regulations 1984;
    - c) Dangerous Drugs Act 1952;
    - d) Poisons Act 1952;
    - e) Medicines (Advertisement & Sale) Act 1956;
    - f) Patents Act 1983;
    - g) Wildlife Conservation Act 2010 (Laws of Malaysia Act 716); and
    - h) International Trade in Endangered Species Act 2008 (Act 686).
    - i) Food Act 1983 (Act 281) & Regulations
- \* The written laws shall take precedence over this guidance document in any event of discrepancy.

## HEALTH/MEDICINAL CLAIM

#### **CDCR 1984**

- \* "product" means—
  - (a) a drug in a dosage unit or otherwise, for use wholly or mainly by being administered to one or more human beings or animals for a medicinal purpose; or
  - (b) a drug to be used as an ingredient of a preparation for a medicinal purpose.

#### Sale of Drugs Act 1952

\* 'Drug' includes any substance, product or article intended to be used or capable, or purported or claimed to be capable of being used on humans or any animal, whether internally or externally for a medicinal purposes

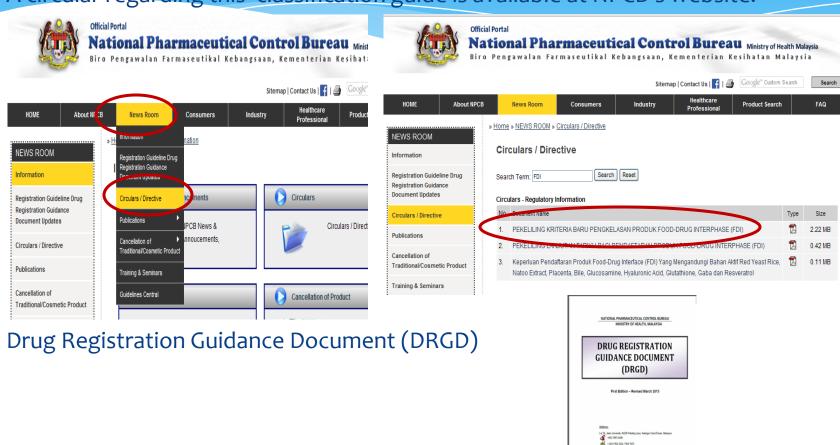
#### MEDICINAL PURPOSE

#### Sale of Drugs Act 1952

- (a) alleviating, treating, curing or preventing a disease or a pathological condition or symptoms of a disease;
- \* (b) diagnosing a disease or ascertaining the existence, degree or extent of a physiological or pathological condition;
- (c) contraception;
- \* (d) inducing anesthesia;
- \* (e) maintaining, modifying, preventing, restoring, or interfering with, the normal operation of a physiological function;
- (f) controlling body weight;
- \* (g) general maintenance or promotion of health or wellbeing;

## CIRCULAR

A circular regarding this classification guide is available at NPCB's website.



\* This classification guide is effective starting from <u>9 JULY 2014.</u>



#### Biro Pengawalan Farmaseutikal Kebangsaan National Pharmaceutical Control Bureau KEMENTERIAN KESIHATAN MALAYSIA MINISTRY OF HEALTH MALAYSIA

Ruj Kami: Bil (19)dlm.BPFK/PPP/01/03 Jld.3

Tarikh : 0 7 AUG 2014

#### SEMUA SYARIKAT BERKENAAN SEMUA PERSATUAN BERKENAAN (SEPERTI SENARAI EDARAN)

Tuan/ Puan.

#### PEKELILING KRITERIA BARU PENGKELASAN PRODUK FOOD-DRUG INTERPHASE (FDI)

Adalah saya merujuk kepada perkara tersebut di atas.

- 2. Seperti yang tuan/puan sedia maklum, secara umumnya produk FDI merupakan produk dengan formulasi kombinasi bahan makanan dan bahan aktif seperti vitamin, mineral dan herba. Pengkelasan produk-produk ini ditentukan berdasarkan konsep pengiraan peratusan bahan aktif dalam formulasi produk (konsep 20:80). Sekiranya kandungan bahan aktif melebihi 20% maka produk tersebut dikategorikan sebagai Ubat dan perlu berdaftar dengan Pihak Berkuasa Kawalan Dadah (PBKD), Kementerian Kesihatan Malaysia (KKM).
- Seiring dengan perkembangan inovasi industri makanan di Malaysia, Jawatankuasa FDI dalam Mesyuarat FDI Bil 02/2014 bertarikh 9 Julai 2014 telah mengkaji semula kriteria pengkelasan produk FDI dan membuat keputusan berikut:
  - 3.1 Pengkelasan produk FDI berdasarkan pengiraan peratus bahan aktif (konsep 20:80) digugurkan dan tidak akan digunapakai.
  - 3.2 Kategori produk Makanan adalah berdasarkan presentasi dan fungsi sebagai Makanan seperti yang tersenarai di LAMPIRAN A.

Produk-produk dalam kategori makanan adalah dibawah pengawalan Bahagian Keselamatan Dan Kualiti Makanan (BKKM), KKM.

- 3.3 Kategori produk Ubat dengan presentasi dan fungsi sebagai ubat dimana:
  - Kandungan bahan aktif tanpa bahan makanan
  - Diformulasi dalam bentuk dos farmaseutikal (contoh: kapsul, tablet, serbuk, cecair, softgel, sublingual)
  - · Mempunyai tuntutan kesihatan/ perubatan

Produk-produk dalam kategori Ubat adalah dibawah pengawalan Pihak Berkuasa Kawalan Dadah (PBKD), KKM.

- 3.4 Kriteria penentuan untuk produk FDI sebagai produk Ubat adalah berdasarkan;
  - kandungan bahan dengan tuntutan kesihatan/ perubatan produk.
  - kandungan bahan yang tersenarai di dalam Negative List For Food (seperti LAMPIRAN B) dengan/ tanpa tuntutan kesihatan/ perubatan produk.

Sila rujuk Carta Pengkelasan Produk FDI (seperti LAMPIRAN C)

- Berikutan dengan keputusan ini, maka:
  - 4.1 Bagi produk Suplemen Kesihatan dan Tradisional yang tidak lagi dikategorikan sebagai produk Ubat,
    - Permohonan Pendaftaran Produk Baru (yang sedang dalam proses penilaian);
      - Pemohon diminta untuk menarik balik permohonan pendaftaran produk.
    - Produk telah berdaftar:
      - Pendaftaran produk akan dibiarkan sehingga tamat tempoh pendaftaran atau pemohon boleh menarik balik pendaftaran produk berkenaan.
  - 4.2 Surat Pekeliling berikut akan terbatal dengan penguatkuasaan pekeliling ini:-
    - Pekeliling Pengkelasan Produk Madu Campuran Herba (Bil (1)dlm.BPFK/PPP/01/03 Jld.1 bertarikh 15 September 2010)
    - Pendaftaran Produk Yang Berbentuk Pati (Essence) [Contoh: Pati Ayam/ Pati Ikan/ Pati Ostrich/ Pati Itik]
       (Bil (01) dlm BPFK/PPP/01/03 bertarikh 18 April 2008)

- Sukacita diingatkan agar semua syarikat yang mengilang, mengimport atau memasarkan produk-produk berkaitan untuk memberi perhatian dan mematuhi keperluan undang-undang yang terlibat mengikut kategori produk-produk seperti yang ditetapkan.
- Pekeliling ini berkuatkuasa pada tarikh keputusan Mesyuarat Jawatankuasa FDI Bil
   2/2014 mulai 9 JULAI 2014.

Sekian, terima kasih.

"BERKHIDMAT UNTUK NEGARA"

Saya yang menurut perintah,

TAN ATTN LING

Pengarah

Biro Pengawalan Farmaseutikal Kebangsaan

Kementerian Kesihatan Malaysia

14

- s.k 1) Pengarah Kanan Perkhidmatan Farmasi Bahagian Perkhidmatan Farmasi Kementerian Kesihatan Malaysia
  - Pengarah Kanan Bahagian Keselamatan dan Kualiti Makanan Kementerian Kesihatan Malaysia
  - Pengarah Bahagian Perkhidmatan Farmasi (Kuatkuasa) Kementerian Kesihatan Malaysia

LAMPIRAN A

#### PRODUK MAKANAN

- Produk berasas makanan dengan/ tanpa campuran bahan aktif (contoh: herba, vitamin, mineral):
  - Produk minuman segera campuran gula dan krimer Contoh: kopi, coklat, susu soya
  - ii. Produk pati haiwan/ essence (cecair)

Contoh: pati ikan haruan, pati ayam, pati ostrich, pati itik

 Produk minuman (beverages) tanpa perlu bancuh untuk diminum terus/ ready to drink tanpa dos pengambilan.

Contoh: minuman dalam tin/kotak

- Produk kordial untuk dibancuh dengan nisbah pencairan yang disyorkan.
   Contoh: pati jus kurma, pati jus anggur
- Produk cuka (cecair)

Contoh: cuka epal, cuka kurma

vi. Produk madu (cecair)

- Produk minuman tenaga (energy drink), produk minuman isotonik (isotonic drink), produk makanan untuk sukan (sports nutrition) dan produk makanan bertujuan khas (Special Purpose Food).
- Produk dalam bentuk konvensional makanan Contoh: Biskut, kek, produk coklat, gula-gula, gummies, mee
- Produk untuk kegunaan masakan dan sediaan masakan Contoh: Minyak (zaitun/ kelapa/ bunga matahari), serbuk kunyit
- 5. Produk herba, rempah ratus dalam bentuk mentah (crude)

#### Agensi yang mengawal;

Bahagian Keselamatan dan Kualiti Makanan Kementerian Kesihatan Malaysia Aras 4, Menara Prisma, No. 26. Jalan Persiaran Perdana, Presint 3, 62675 Putrajaya

(http://www.fsq.moh.gov.my)

#### LAMPIRAN B

#### **NEGATIVE LIST FOR FOOD**

- Gamat
- Gypsum Fibrosum
- Red Yeast Rice
- Natto extract
- Placenta
- Pearl
- Bile (Hempedu)
- Glucosamine
- Hyaluronic acid
- Glutathione
- Gamma-amino Butyric Acid (GABA)
- Resveratrol
- Actaea racemosa (Fresh or dried rhizomes and roots or their extract)
- Artemisia Spp. (all species) (Leaf)
- Azadirachta indica (Seed)
- Brucea javanica, Brucea amarissima (Dried fruits & Seed)
- Bufo gargarizans Cantor, Bufo melanostictus Schneider, Bufo vulgaris Lour (Venom, Dried secretion, whole body)
- Chelidonium majus (Dried, whole or cut aerial parts)
- Conium maculatum (Whole Plant)
- Coptis chinensis, Coptis teeta (Rhizome)
- Croton tiglium L (Fruit seeds and oil)
- Datura spp. (all species) (Leaf, seed, Dried and leaf flowering or fruiting parts with branches)
- Digitalis spp.(all species) (Leaf)
- Dryobalanops lanceolata Burck
- Fritillaria spp.
- Gelsemium semperi virens
- Hypericum perforatum
- Mahonia aquifolium, Mahonia repens, Mahonia nervosa
- Melanorrhoea usitata Wall.
- Mucuna pruriens
- Mylabris phalerata, Mylabris cichorii
- Nerium indicum
- Nerium oleander
- Phellodendron amurense, Phellodendron chinense

- Plumbago indica
- Plumbago zeylanica
- Psilocybe cubensis
- Sanguinaria canadensis
- Scilla sinensis
- Sophora tomentosa
- Spigelia marilandica
- Strophanthus spp.(all species)
- Symphytum peregrinum
- Strychnos ignatii,
- Strychnos lucida,
- Strychnos roberans

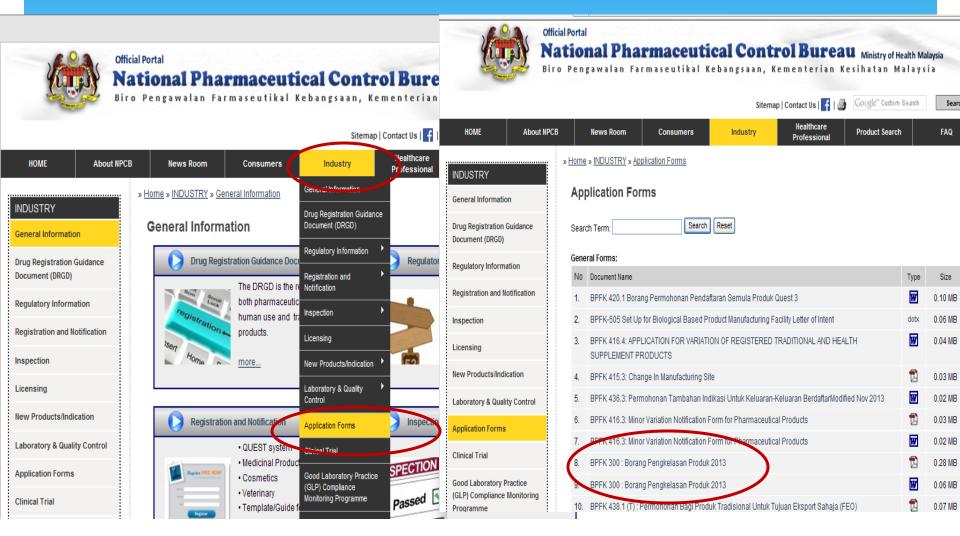
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    - f) Patents Act 1983;
    - g) Wildlife Conservation Act 2010 (Laws of Malaysia Act 716); and
    - h) International Trade in Endangered Species Act 2008 (Act 686).
    - i) Food Act 1983 (Act 281) & Regulations
- The written laws shall take precedence over this guidance document in any event of discrepancy.

#### **CLASSIFICATION APPLICATION**

- Application form for FDI product classification is available at <a href="https://www.bpfk.gov.my">www.bpfk.gov.my</a> → Industry → Application Form→ BPFK 300
- \* Complete application form can be submitted either through:
  - Email: <a href="mailto:classification@bpfk.gov.my">classification@bpfk.gov.my</a> or
  - Fax : 03 7958 1312 or
  - Mail: Centre for Product Registration, National Pharmaceutical Control Bureau, Lot 36, Jalan Universiti, 46200 Petaling Jaya, Selangor.
- \* Any enquiries & correspondence, please email to classification@bpfk.gov.my

## **CLASSIFICATION APPLICATION**



## CLASSIFICATION APPLICATION

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5.	Sila lampirkan label produk, sisip bungkusan atau Please atlach product label, package insert or oth	
6.	Sila nyatakan jenis pendaftaran /kelas produk ters Elease state the category, of product at country of	
7.	Adakah produk ini merupakan produk innovator* Is this on innovator product? (If applicable)	? (Jika Beskenoon)
arka.		
	/EN C - PERAKUAN PEMOHON ON C - APPLICANT DECLARATION	
lame	.vang.benama.dan.bendamat.dl.bawah.mengaki imni vang.disetakan.adalah.benac per name and address stated above declared that true]	
Nam (Appl	DATANGAN PEMOHON/ APPLICANT'S SIGNATURE)	(Cop Rasmi Syarikat/ Company's Official Stamp) Tackh; (Date)

#### Benatian/ Disclaimer:

- Maklumat yang dialah banya untuk tujuan pengkelasan produk sahaja. Sila partikan produk bendalajah mematuhi Akta dan Repaturan, seta garupanduan yang berkelisan setelah produk distripakan pengkelasannya. (The information provided is to be used solely for classification purposes. Please be informed that registration of a product is based on Laws & Regulations and other requirement, where your product has been classified).
- Data permohanan yang tidak lengkap boleh mengakibatkan permohanan pengkelasan produi distak dan permohanan baru pesti, disemukakan, (Incomplete data may result in produc classification rejection and new application is reguired).

\* Innovator: Renalpta, ; sesecrana, vana menalpta sesuatu kallan / teknologi vana baru-: Planeer : someone who helps to open up a new line of research or technology.

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## Summary

#### Food products are not categorized as FDI products

#### A. Food based products:

- Instant drink products containing sugar and creamer
- II. Meat essence products (liquid)
- III. Ready to drink products (beverages) without dosing instruction in cheered pack/canned / packet drinks.
- IV. Cordial products with recommended dilution ratio
- V. Vinegar products (liquid)
- VI. Honey products (liquid).
- B. Energy/Isotonic drink, Sports Nutrition and Food for Special Purpose
- C. Conventional Food Forms
- D. Products used for cooking and food preparations
- E. Herbs and spices in crude form

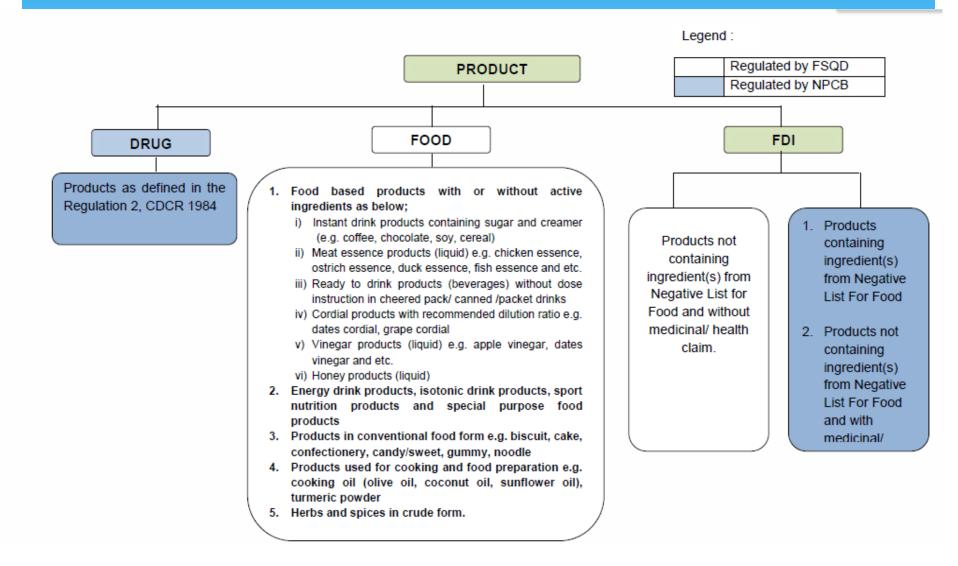
## Summary

- \* Classification for FDI products are based on criteria,
  - Negative List for food
  - Medicinal/ health claim

## Summary Table of FDI Classification

DRUG	NON-DRUG
Contain active ingredient and with medicinal/health claim	Not containing Active ingredient from Negative List For Food and NO medicinal/ health claim
Contain Active ingredient listed in <b>Negative List for Food with medicinal/ health claim</b>	
Contain Active ingredient listed in <b>Negative List for Food without medicinal/ health claim</b>	
Formulated in pharmaceutical dosage form (eg. tablet, capsule, liquid, softgel, sublingual, etc)	
When there is greater uncertainty regarding the safety of an FDI product, such shall be regulated by NPCB. This is to enable closer monitoring of such products, so as to safeguard the interest of the consumer.	

#### CLASSIFICATION FLOW CHART



Jane Jos