

ÉKOLOGIE
FORTE

ORGANIC LEGACY SINCE : 1987

“TOGETHER WITH
NATURE AND THE
MARGINALISED,”

www.eko-logie.com



EKOLOGIE FORTE

We are a global organic and fair trade supply chain having our base in East Africa and in India. Since 2011, we have been supplying both for domestic and exports - organic ingredients for food, cosmetics and feed sector.

We are at present working with clusters of organic farmers in three states in India. We are working with about 7500 organic farmers in different agro-ecological zones involved in the production of various cereals, oil seeds and speciality crops for spices, flavours and for medicinal applications.

We have processing units for cold pressing, lecithin production, glycerin production and grocery packing units. We are working in partnership value addition partners who supply grocery products and cosmetic products. We have an in-house capability for supplying private labeled products for organic food and cosmetics.

OUR PRODUCT CATEGORY

● Organic Herbal Extract	- 03	● Organic Sweeteners	- 23
● Organic Vitamin	- 09	● Organic Colour	- 27
● Organic Protein	- 11	● Organic Vegetable Oil	- 31
● Organic Flavour	- 17	- Organic Cold Press	
		- Organic Super critical Extract	



ORGANIC HERBAL EXTRACT



- Organic Ashwagandha Extract
- Organic Curcumin Extract
- Organic Ginger Oil
- Organic Shatavari Extract
- Organic Turmeric Oil



ORGANIC ASHWAGANDHA EXTRACT

CAS NO.:90147-43-6

INCI Name : Withania somnifera Root extract

SPECIFICATIONS

Description:

Product Code:	OAE
Origin	India
Botanical Name	<i>Organic Ashwagandha root</i>
Extraction Method	Hydro extraction

NAME OF PARAMETER

SPECIFICATION

Appearance	Powder
Color	Yellowish Brown
Odour	Characteristic
Solubility: In Water	Min 80%
Solubility : In alcohol (50%v/v)	Min 70%
Loss on Drying	Max 5%
Heavy Metals	Max 20 ppm

MICROBIAL ANALYSIS

Total plate count	Max 1000 cfu/g
Total yeast mould	Max 100 cfu/g
E.coli	Absent
Salmonella spp	Absent
S. aureus	Absent

Storage:

Must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life 24 months



ORGANIC CURCUMIN EXTRACT (95%)

CAS NO.:458-37-7

INCI Name : Curcuma Longa Root Oil

SPECIFICATIONS

Description	OCE95
Product Code :	India
Origin	Organic Turmeric Rhizome
Botanical Source	Supercritical Extraction
Extraction Method	

NAME OF PARAMETER

SPECIFICATION

Appearance	Powder
Color	Yellow
Odour	Characteristic
Solubility : (1% solution in water)	Insoluble in water
Loss on Drying	Max 5%
Heavy Metals	Max 20 ppm

MICROBIAL ANALYSIS

Total plate count	Max 1000 cfu/g
Total yeast mould	Max 100 cfu/g
E.coli	Absent
Salmonella spp	Absent
S. aureus	Absent

Storage:

Must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life 24 months



ORGANIC GINGER OIL

CAS NO.: 8007-08-7

INCI Name : Zingiber Officinale Root Oil

SPECIFICATIONS

Description:

Product Code:	OGO
Origin	India
Botanical Name	<i>Organic Ginger rhizomes</i>
Extraction Method	Steam Distillation

NAME OF PARAMETER

SPECIFICATION

Appearance	Free flowing liquid
Color	Pale yellow
Odour	Characteristic aroma of ginger
Specific Gravity	0.870-0.882
Refractive Index at 20°	1.4880-1.4940
Solubility	Insoluble in water

ACTIVE INGREDIENTS

Zingiberene	25 %
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Storage:

Must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life	24 months
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ORGANIC SHATAWARI EXTRACT

CAS NO.:84633-34-1

INCI Name : Asparagus Raceosus Root Extract

SPECIFICATIONS

Description:

Product Code	OSE
Origin	India
Botanical Name	<i>Organic Shatawari Root</i>
Extraction Method	Hydro Extraction

NAME OF PARAMETER

SPECIFICATION

Appearance	Fine powder
Color	Brown
Odour	Characteristic
Solubility: In Water	Min 80%
Solubility : In alcohol (50%v/v)	Min 70%
Loss on Drying	Max 5%
Heavy Metals	Max 20 ppm

MICROBIAL ANALYSIS

Total plate count	Max 1000 cfu/g
Total yeast mould	Max 100 cfu/g
E.coli	Absent
Salmonella spp	Absent
S. aureus	Absent

Storage:

Must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life

24 months



ORGANIC TURMERIC OIL

CAS NO.:8024-37-1

INCI Name : Curcuma Longa Roo

SPECIFICATIONS

Description:	OTO
Product Code:	India
Origin	<i>Organic Tuber</i>
Botanical Name	Steam Distillation
Extraction Method	

NAME OF PARAMETER

SPECIFICATION

Appearance	Viscous Oily liquid
Color	Yellow to dark brown
Odour	Characteristic
Specific Gravity	0.9-0.95
Refractive Index at 20° C	1.4-1.5
Solubility	Insoluble in water

ACTIVE INGREDIENTS

Turmerones	22-24%
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Storage:

Must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life	24 months
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ORGANIC VITAMIN



● Organic Flaxseed oil



ORGANIC FLAX SEED OIL

CAS NO.: 8001-26-1

INCI Name : Linum Usitatissimum Seed Oil

SPECIFICATIONS

Description:	OFSO
Product Code	India
Origin	<i>Linum usitatissimum</i>
Botanical Name	Cold Press
Extraction Method	Organic Flax Seeds
Parts Used	

PHYSICO-CHEMICAL SPECIFICATIONS

Appearance	Light Golden Yellow oil
Odor	Characteristic
Peroxide Value (meq O ₂ /kg)	Max. 5
Iodine Value (I ₂ /100g)	170 -215
Acid Value (mg KOH/g)	Max. 4
Saponification Value (mg KOH/g)	186 - 196

FATTY ACID SPECIFICATIONS

Omega 3 fatty acids	45 – 60 %
Omega 6 fatty acids	10 – 15 %
Omega 9 fatty acids	15 – 25 %

Storage

Oil must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life	24 months
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ORGANIC PROTEIN



- Organic Soya Lecithin (Liquid)
- Organic Sunflower Lecithin (Liquid)
- Organic Soya Lecithin (Powder)
- Organic Sunflower Lecithin (Powder)



ORGANIC

SOYA LECITHIN (Liquid)

CAS NO.: 8002-43-5

SPECIFICATIONS

Product Code	OSBL
Origin	India
Parts Used	Organic Soya Seeds

PHYSICO-CHEMICAL SPECIFICATIONS

TEST PARAMETER

SPECIFICATION

Odor	Typical Characteristic
Acetone Insolubles (%)	Min 60
Moisture (%)	Max 1.5
Hexane Insoluble (%)	Max 0.3
Toluene Insoluble (%)	Max 0.3
Color Gardner 10 %	Max 16
Peroxide Value (meq/kg)	Max 5
Acid Value (mgKOH/g)	Min 24 – Max 35
Viscosity (Pas)	Max 17
Transgenic DNA beans/crush	Negative
Transgenic DNA lecithin	Negative

LIPIDS

Phospholipids	60 – 70%
Phosphatidylcholine	12.69 – 16.7%
Phosphatidylethanolamine	6.45 – 13.57%
Phosphatidylinositol	6.47 – 11.84%
Phosphatidic acid	2.28 – 5.96%
Phosphatidylserine	0 – 1%
Glycolipids	6 – 15%

MICROBIOLOGICAL SPECIFICATIONS

Total Plate Count (CFU/g)	Max 1000
Yeast/Moulds (CFU/g)	Max 100
Coliforms 35°C (CFU/g)	Max 10
Enterobacteriaceae (CFU/g)	Max 10
Salmonellae (CFU/g)	Absent in 25 g

HEAVY METALS

Iron (ppm)	Max 100
Lead (ppm)	Max 2
Arsenic (ppm)	Max 3
Mercury (ppm)	Max 1
Pesticides	Nil

Storage

During storage, our product keeps its properties, being careful to keep it at temperatures between 20 °C and 40 °C. When heating is necessary, do not exceed 40 °C, always during short time periods.



ORGANIC SUNFLOWER LECITHIN (Liquid)

CAS NO.: 8002-43-5

SPECIFICATIONS

Description: Organic Sunflower lecithin, fluid, amber-brown colour and thin transparent clear film. It has been standardized keeping constant its viscosity throughout.

Product Code:	OSFL
Origin	India
Production Year	2021

PHYSICOCHEMICAL SPECIFICATIONS

Odor	Typical Characteristic
Color/ Appearance	Amber-brown colour and thin transparent clear
Acetone Insoluble (%)	62 min
Moisture (%)	1.5 max
Hexane Insoluble (mg KOH/g)	0.3 max
Colour (Gardner)	13 max
Peroxide value (meq/Kg)	5 max
Acid Value (mgKOH/g)	25 Min – 35 Max
Viscosity (Pas)	12 max

LIPIDS

Phospholipids	60 – 70%
Phosphatidylcholine	14.34 – 17.23%
Phosphatidylethanolamine	4.85 – 6.82%
Phosphatidylinositol	12.30 – 14.92%
Phosphatidic acid	1.32 – 3.21%
Phosphatidylserine	0 – 1%
Glycolipids	6 – 15 %

MICROBIOLOGICAL SPECIFICATIONS

Total plate count (per g)	Less than 1000
Yeast and moulds (per g)	Less than 100
Coliforms (per 0.1 g)	Absent
Salmonella (per 25 g)	Absent
Species Soya	Absent
Pesticides	Nil

Storage:

Must be stored in dry place in unopened package below 25° Centigrade.

Shelf Life	24 months
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ORGANIC

SOYA LECITHIN (Powder)

CAS NO.: 8002-43-5

SPECIFICATIONS

Description:	Organic Soya Lecithin Powder, Pale yellow.
Product Code:	OSBLP
Origin	India
Production Year	2020

PHYSICO-CHEMICAL SPECIFICATIONS

Acetone Insoluble (%)	96 min
Hexane/Toluene insoluble (%)	0.3 max
Acid value (mg KOH/g)	35 max
Iodine Value	85 max
Moisture (%)	1 max
Total Ash (%)	12 max
Peroxide value (meq O ₂ /Kg)	5 max

MICROBIOLOGICAL SPECIFICATIONS

Total plate count (cfu/per g)	Less than 1000
Yeast and moulds (cfu/per g)	Less than 100
E.Coli (per g)	Absent
Coliforms (per g)	Absent
Salmonella (per 25 g)	Absent
Enterobacteriaceae	Negative
Genetic ID (Free from genetic modification)	Negative

Arsenic (ppm, w/w)	Less than 3
Lead (ppm, w/w)	Less than 1
Mercury (ppm, w/w)	Less than 1
Cadmium (ppm, w/w)	Less than 1
Total Heavy Metals	Less than 10

● **Storage:**

Avoid exposure to moisture, heat and light.

Shelf Life 24 months



ORGANIC

SUNFLOWER LECITHIN (Powder)

CAS NO.: 8002-43-5

SPECIFICATIONS

Description: Organic Sunflower Lecithin Powder, light brown to light Beige, fine powder.

Product Code:	OSFLP
Origin	India
Production Year	2021

PHYSICO-CHEMICAL SPECIFICATIONS

Acetone Insoluble (%)	95 min
Hexane/Toluene insoluble (%)	0.3 max
Acid value (mg KOH/g)	35 max
Iodine Value	85 max
Moisture (%)	1 max
Total Ash (%)	12 max
Peroxide value (meq O ₂ /Kg)	5 max

MICROBIOLOGICAL SPECIFICATIONS

Total plate count (cfu/per g)	Less than 1000
Yeast and moulds (cfu/per g)	Less than 100
E.Coli (per g)	Absent
Coliforms (per g)	Absent
Salmonella (per 25 g)	Absent
Enterobacteriaceae	Negative
Genetic ID (Free from genetic modification)	Negative

HEAVY METALS ANALYSIS

Arsenic (ppm, w/w)	Less than 3
Lead (ppm, w/w)	Less than 1
Mercury (ppm, w/w)	Less than 1
Cadmium (ppm, w/w)	Less than 1
Total Heavy Metals	Less than 10

● **Storage:**

Avoid exposure to moisture, heat and light.

Shelf Life 24 months





ORGANIC FLAVOUR



- Organic Citronella Oil
- Organic Curry leaf Oil
- Organic Ginger Oil
- Organic Garlic Oil
- Organic Turmeric Oil



ORGANIC CITRONELLA OIL

CAS NO.: 8000-29-1

INCI Name : Cymbopogon Nordus Oil

SPECIFICATIONS

Description:	OCLO
Product Code:	India
Origin	<i>Organic Citronella leaves</i>
Botanical Name	Steam Distillation
Extraction Method	

NAME OF PARAMETER

SPECIFICATION

Appearance	Liquid
Color	Pale yellow to brown yellow
Odour	Characteristic
Specific Gravity	0.8-0.9
Refractive Index at 20°	1.4-1.5
Solubility	Insoluble in water

ACTIVE INGREDIENTS (%)

Citronellal	3-5%
Citronellol	6-8%
Geraniol	11-25%

Storage:

Must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life 24 months



ORGANIC CURRY LEAF OIL

CAS NO.: 876068-15-4

INCI Name : Murraya Koenigii leaf Oil

SPECIFICATIONS

Description:	OCLO
Product Code:	India
Origin	<i>Organic Curry leaf plant</i>
Botanical Name	Steam Distillation
Extraction Method	

NAME OF PARAMETER

SPECIFICATION

Appearance	Liquid
Color	Transparent clear yellow
Odour	Characteristic
Specific Gravity	0.85-0.90
Refractive Index at 20°	1.4-1.5
Solubility	Insoluble in water

ACTIVE INGREDIENTS

Alfa pinene	Min 13%
P-cymene	Min 7%
G-Terpinene	Min 23%

Storage:

Must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life 24 months



ORGANIC GINGER OIL

CAS NO.: 8007-08-7

INCI Name : Zingiber Officinale Root Oil

SPECIFICATIONS

Description:	OGO
Product Code:	India
Origin	<i>Organic Ginger rhizomes</i>
Botanical Name	Steam Distillation
Extraction Method	

NAME OF PARAMETER

SPECIFICATION

Appearance	Free flowing liquid
Color	Pale yellow
Odour	Characteristic aroma of ginger
Specific Gravity	0.870-0.882
Refractive Index at 20°	1.4880-1.4940
Solubility	Insoluble in water

ACTIVE INGREDIENTS

Zingiberene	25 %
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Storage:

Must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life	24 months
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ORGANIC GARLIC OIL

CAS NO.: 8000-78-0

INCI Name : Allium Sativum Bulb Oil

SPECIFICATIONS

Description:

Product Code:	OCLO
Origin	India
Botanical Source	<i>Organic Garlic Tuber</i>
Extraction Method	Steam Distillation

NAME OF PARAMETER

SPECIFICATION

Appearance	Viscous liquid
Color	Yellowish Brown
Odour	Characteristic pungent garlic odour
Specific Gravity	1.0-1.1
Refractive Index at 20°	1.5-1.6
Solubility	Insoluble in water

ACTIVE INGREDIENTS

Di allyl di sulphide	25-30%
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Storage:

Must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life 24 months



ORGANIC TURMERIC OIL

CAS NO.:8024-37-1

INCI Name : Curcuma Longa Root Oil

SPECIFICATIONS

Description:	OTO
Product Code:	India
Origin	<i>Organic Tuber</i>
Botanical Name	Steam Distillation
Extraction Method	

NAME OF PARAMETER

SPECIFICATION

Appearance	Viscous Oily liquid
Color	Yellow to dark brown
Odour	Characteristic
Specific Gravity	0.9-0.95
Refractive Index at 20° C	1.4-1.5
Solubility	Insoluble in water

ACTIVE INGREDIENTS

Turmerones	22-24%
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Storage:

Must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life	24 months
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ORGANIC SWEETENERS



- Organic Vegetable Glycerin
- Organic Raw Cane Sugar-(ICUMSA-600⁺⁺)
- Organic White Cane Sugar-(ICUMSA -150⁺)



ORGANIC VEGETABLE GLYCERIN

CAS NO.: 56-81-5

INCI Name : Glycerol

SPECIFICATIONS

Product Code	OVG
Origin	India
Neame of Parameter	Specification
USP Reference Standards and Ph, Eur. Reference Standards	USP 41-NF36 Ph. Eur
Glycerine on Anhydrous Basis%	99.0-101.0
Glycerol Content,%	99.7 min
Identification	Meets Identification A, B and C
Identification A :	
- Infrared Absorption	To conform to USP 41 and Ph. Eur
Identification B :	
- Diethylene and and Ethylene Glycol Impurities-	To conform to USP 41 and Ph. Eur
Diethylene Glycol (EG),%	0.1 max
-Ethylene Glycol (EG),%	0.1 max
Related Compounds	To conform to USP 41 and Ph. Eur
-Any individual impurity, %	0.1 max
Total impurities, %	1.0 max
Identification C :	To conform to USP 41 and Ph. Eur
Specific Gravity at 25°C	1.25 min
Color, APHA	10 max
Residue on Ignition,%	0.01 max
Water Content,%	0.3 max
Chloride, ppm	10 max
Sulphate, ppm	20 max
Fatty Acids and Esters	1 max ml 0.5M NaOH/50g
Halogenated Compounds	30 mg/kg max
Total plate Count	Less than 1000
Yeast and Mould	Less than 100
Coliform	Absent
E. Coli	Absent
Salmonella	Absent
Heavy metals	2 mg/kg max

Storage

Oil must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life

24 months



ORGANIC RAW CANE SUGAR-ICUMSA-600⁺⁺

CAS NO.: 57-50-1

INCI Name : Sucrose

SPECIFICATIONS

Description:	OCSR-600++
Product Code	India
Origin	Organic Sugarcane
Botanical Source	

PHYSICO-CHEMICAL SPECIFICATIONS

Solubility	95 % Free Flowing
Color in solution	Min 600 IU
Polarization (%)	97.8 - 99.2
Moisture (%)	0.15 Max by weight
Ash content (%)	0.15 Max by weight
Reducing Sugar (%)	0.05 Max by weight

MICROBIAL ANALYSIS ACCORDING TO ICUMSA METHODS

Total Plate Count	Max 200 CFU/10g
Yeasts	Max 10 CFU/10g
Moulds	Max 10 CFU/10g

Storage

Store at a stable temperature, not below 10°C, and at a relative humidity to avoid lumping. Do not store with products with strong smelling products.

Shelf Life 24 months



ORGANIC

WHITE CANE SUGAR-ICUMSA-150⁺

CAS NO.: 57-50-1

INCI Name : Sucrose

SPECIFICATIONS

Description:	OCSR-150+
Product Code	India
Origin	Organic Sugarcane
Botanical Source	

PHYSICO-CHEMICAL SPECIFICATIONS

Solubility	100 % Free Flowing
Color in solution	Min 150 IU
Polarization (%)	99.50 Min
Moisture (%)	0.10 Max
Ash content (%)	0.10 Max
Reducing Sugar (%)	0.05 Max by weight

MICROBIAL ANALYSIS ACCORDING TO ICUMSA METHODS

Total Plate Count	Max 200 CFU/10g
Yeasts	Max 10 CFU/10g
Moulds	Max 10 CFU/10g

Storage

Store at a stable temperature, not below 10° C, and at a relative humidity to avo lumping. Do not store with store with strong smelling products.

Shelf Life 24 months



ORGANIC COLOUR



- Organic Annatto Extract-Water soluble (Powder)
- Organic Annatto Oil



ORGANIC

ANNATTO EXTRACT-WATER SOLUBLE (SC Co2 EXTRACT)

CAS NO.: 542-40-5

INCI Name : Bixa Orellana seed extract

SPECIFICATIONS

Description:	OANEWS
Product Code	India
Origin	<i>Bixa Orellana</i>
Botanical Name	Supercritical CO2 extraction
Extraction Method	Organic Annatto Seeds
Parts Used	

PHYSICO-CHEMICAL SPECIFICATIONS

Odor	Typical annatto odor
Color/Appearance	Dark orange red free flowing powder
Solubility	Soluble in water
Spray Drying Excipient	0 %
Humidity	Less than 15 %
Related Density	0.4 - 0.6
pH	9.0 - 10.5
Insolubles	Less than 10 %
Solubility H2O	Good
Solubility H2O/EtOH (50/50)	Good

ACTIVE INGREDIENTS

NorBixin	15 % Min
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MICROBIAL ANALYSIS

Total Aerobic Count	Less than 10,000 CFU/g
Yeast and Mold	Less than 100 CFU/g
Enterobacteria	Absent

HEAVY METAL ANALYSIS

Arsenic	Less than 3.0 ppm
Cadmium	Less than 10 ppm
Mercury	Less than 1.0 ppm
Lead	Less than 20 ppm

Shelf Life

24 months



ORGANIC ANNATTO OIL

CAS NO.: 1393-63-1

INCI Name : Bixa Orellana Seed Oil

SPECIFICATIONS

Description:	OANO
Product Code:	India
Origin	<i>Bixa Orellana</i>
Botanical Name	Steam Distillation
Extraction Method	Organic Annatto seeds Seeds
Parts Used	

TEST PARAMETER

SPECIFICATION

Appearance	Free flowing Liquid
Color	Orange Red
Odour	Characteristic
Percent Pigment	1.4 – 1.6%
Caretenoids/ Bixin content %	Min 0.24% by mass
Density (g/ml)	0.90 – 0.92
Color intensity (O.D at 482 nm of 0.1 sol in chloroform)	0.75 – 0.95
Tintometer reading (0.1% sol)	Yellow : 20-23, Red : 0.8-1.4
Argemone Test	Absent
Copper, mg/kg	Max 30
Arsenic, mg/kg	Max 3
Lead, mg/kg	Max 10
Heavy Metals, mg/kg	Max 40

MICROBIAL ANALYSIS

Yeast and Mould	Nil
E.Coli/g	Nil

Storage:

Oil must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life 12 months





ORGANIC VEGETABLE OIL



COLD PRESS:

- Organic Black cumin seed Oil (Edible)
- Organic Castor Oil (Non Edible)
- Organic Flaxseed Oil (Edible)
- Organic Karanja Oil (Non Edible)
- Organic Moringa Oil (Edible)
- Organic Neem Oil (Non Edible)
- Organic Safflower Oil (Edible)

SUPER CRITICAL EXTRACT :

- Organic Amaranth Seed Oil SC CO2 Extract
- Organic Fenugreek Seed Oil SC CO2 Extract



ORGANIC BLACK CUMIN SEED OIL

CAS NO.: 90064-32-7

INCI Name : Nigella Sativa Seed Oil

SPECIFICATIONS

Description:	
Product Code	OBCSO
Origin	India
Botanical Name	<i>Nigella sativa</i>
Extraction Method	Cold Press
Parts Used	Black Cumin Seeds

PHYSICO-CHEMICAL SPECIFICATIONS

TEST PARAMETER

SPECIFICATION

Odor	Typical Odour of Black Cumin
Color/Appearance	Brown colored liquid
Specific Gravity	0.915 – 0.930
Refractive Index	1.470 – 1.473
Peroxide Value	Max 4 meq/kg
Acid Value	Max 4 KOH/g
Iodine Value	115 – 130 g I ₂ /100g
Saponification Value	182 – 197 mg KOH/g
Total Fatty Acids	Min 10 %

FATTY ACID SPECIFICATIONS IN %

Palmitic Acid (C16:0)	10.0 – 15.0
Stearic Acid (C18:0)	2.0 – 5.0
Oleic Acid (C18:1)	20.0 – 30.0
Linoleic Acid (C18:2)	50.0 – 65.0
Eicosadienoic Acid (C20:2)	2.0 – 4.0

MICROBIAL ANALYSIS

Total Plate Count	max 1000 CFU/g
Yeast and Moulds	Each Max 100 CFU/g
Escherichia coli	Absent/g
Salmonella	Absent/25g
Staphylococcus aureus	Absent

Microbial Analysis

Mercury	Max 1 ppm
Cadmium	Max 0.3 ppm
Lead	Max 10 ppm
Arsenic	Max 3 ppm

Storage:

Oil must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life

24 months



ORGANIC CASTOR OIL

CAS NO.: 8001-79-4

INCI Name : Ricinus communis Seed Oil

SPECIFICATIONS

Description:	OCO
Product Code	India
Origin	<i>Ricinus communis</i>
Botanical Name	Cold Press
Extraction Method	Organic Castor Seeds
Parts Used	

PHYSICO-CHEMICAL SPECIFICATIONS

Test Parameter	Specification
Odor	Characteristic
Color/Appearance	Slight yellow viscous liquid
Free fatty Acid	0.5 Max
Hydroxyl Value	158 - 163
Moisture and Volatile Matters	0.25 % Max
Specific Absorption at 270 nm	0.8 Max
Acid Value (mg KOH/g)	1.0 Max
Iodine Value (mg/g)	82 - 90
Refractive Index at 40o C	1.470 – 1.474
Specific Gravity at 300 C	0.952 – 0.960
Saponification Value (mg KOH/g)	177 - 185
Unsaponifiable matter	0.80 % Max
Peroxide Value (meq/kg)	Max. 3

Storage

Oil must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life

24 months



ORGANIC FLAX SEED OIL

CAS NO.: 8001-26-1

INCI Name : Linum Usitatissimum Seed Oil

SPECIFICATIONS

Description:	OFSO
Product Code	India
Origin	<i>Linum usitatissimum</i>
Botanical Name	Cold Press
Extraction Method	Organic Flax Seeds
Parts Used	

PHYSICO-CHEMICAL SPECIFICATIONS

Appearance	Light Golden Yellow oil
Odor	Characteristic
Peroxide Value (meq O ₂ /kg)	Max. 5
Iodine Value (I ₂ /100g)	170 -215
Acid Value (mg KOH/g)	Max. 4
Saponification Value (mg KOH/g)	186 - 196

FATTY ACID SPECIFICATIONS

Omega 3 fatty acids	45 – 60 %
Omega 6 fatty acids	10 – 15 %
Omega 9 fatty acids	15 – 25 %

Storage

Oil must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life	24 months
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ORGANIC KARANJA OIL

CAS NO.: 247588-54-1

INCI Name : Pongamia Glabra Seed Oil

SPECIFICATIONS

Description:	OKO
Product Code:	India
Origin	<i>Millettia pinnata</i>
Botanical Name	Cold Press
Extraction Method	Organic Karanja Seeds
Parts Used	

TEST PARAMETER

SPECIFICATION

Color	Light yellowish brownish liquid
Odour	Characteristic
Moisture	1 % Max
Peroxide Value (meq O ₂ /kg)	10 Max
Acid Value	5 Max
Refractive Index at 200C	1.473 – 1.475
Specific Gravity at 200C	0.924 – 0.930
Iodine Value	80 - 90
Saponification Value	186 - 196
Unsaponifiable Matter	4 % Max
Karanjin content	19000 – 21000 ppm
Pongomal content	13000 - 21000 ppm

MICROBIAL ANALYSIS

Total Plate Count (CFU/g)	Max 100
Molds and Yeast (CFU/g)	Max 100

Storage:

Oil must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life 24 months



ORGANIC MORINGA OIL

CAS NO.: 93165-54-9

SPECIFICATIONS

Description:	OMO
Product Code	India
Origin	<i>Moringa oleifera</i>
Botanical Name	Cold Press
Extraction Method	Organic Moringa Seeds
Parts Used	

PHYSICO-CHEMICAL SPECIFICATIONS

Parameters	Specification
Appearance	Pale yellow liquid
Odour	Characteristic
Peroxide Value (meq/kg)	Max 5
Iodine Value (g I ₂ /100g)	60 - 75
Saponification Value (mg KOH/g)	170 - 210
FFA (as Oleic acid %)	Max 6.5
Acid Value (mg KOH/g)	Max 13

FATTY ACID SPECIFICATION IN %

Palmitic Acid (C16:0)	5.0 – 8.0
Stearic Acid (C18:0)	3.0 - 6.0
Oleic Acid (C18:1)	67 - 78
Linoleic Acid (C22:0)	4.0- 8.0

Storage

Medicinal and Cosmetic Purposes.

Shelf Life 24 months



ORGANIC NEEM OIL

CAS NO.: 8002-65-1

INCI Name : Azadirachta Indica Seed Oil

SPECIFICATIONS

Description:	ONO
Product Code	India
Origin	<i>Azadirachta indica</i>
Botanical Name	Cold Press
Extraction Method	Organic Neem Seeds
Parts Used	

TEST PARAMETER

SPECIFICATION

Color	Dark – Greenish Brown
Odour	Garlic, repulsive
Moisture and Insolubles	1 % Max
Refractive Index 40°C	1.465 – 1.470
Specific Gravity at 30°C	0.908 – 0.934
Iodine Value	65 - 85
Saponification Value	75 - 205
Unsaponifiable Matter %	2 % max
Azadirachtin	> 200 ppm

MICROBIAL ANALYSIS

Salmonela	Absent
E.Coli	Absent

MYCOTOXIN

Aflotoxin	Absent
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Storage

Oil must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life	24 months
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ORGANIC SAFFLOWER OIL

CAS NO.: 8001-23-8

INCI Name : Carthamus Tinctorius Seed Oil

SPECIFICATIONS

Description:	OSLO
Product Code	India
Origin	<i>Carthamus tinctorius</i>
Botanical Name	Cold Press
Extraction Method	Organic Safflower Seeds
Parts Used	

PHYSICO-CHEMICAL SPECIFICATIONS

Specific Gravity at 200 c	0.920 - 0.924
Refractive index at 200c	1.473 - 1.478
Acid Value	Max 4.0
Peroxide Value	Max 25
Iodine Value	135 - 148
Saponification Value	188 - 194
Unsaponifiable Matter	Max 1.5 %
Moisture	Max 0.02 %
Colour Gardner	Max 10

FATTY ACID SPECIFICATION IN %

Myristic Acid (C14:0)	0.5 -1.5
Palmitic Acid (C16:0)	4 - 6
Stearic Acid (C18:0)	0.5 - 2
Oleic Acid (C18:1)	8 - 10
Linoleic Acid (C18.2)	55 - 65
Arachidic Acid (C20.0)	2.5 - 3.5
Eicosenoic Acid (C20.1)	0.20 - 2
Behenic Acid (C22.0)	0.10 - 1.5
Total trans fatty acids	Max 1 %

Shelf Life

24 months



ORGANIC AMARANTH SEED OIL SC Co₂ EXTRACT

CAS NO. : 223747-79-3

INCI Name : Amaranthus Caudatus Seed Extract

SPECIFICATIONS

Description:	OASCO
Product Code	India
Origin	<i>Amaranthus caudatus</i>
Botanical Name	Supercritical extract
Extraction Method	Organic Amaranth Seeds
Parts Used	

PHYSICO-CHEMICAL SPECIFICATIONS

Odor	Typical Odour of Amaranth
Color/Appearance	Yellow oil
Specific Gravity at 20° C	0.900 – 0.940
Refractive Index at 20° C	1.450 – 1.490
Peroxide Value (meq O ₂ /kg)	Max 10
Acid Value (mg KOH/g)	Max 25
Saponification Value (mg KOH/g)	135 – 200
Iodine Value (g I ₂ /100g)	100 – 140

FATTY ACID SPECIFICATIONS

Palmitic Acid (C16:0)	15 – 25 %
Stearic Acid (C18:0)	2 – 5 %
Oleic Acid (C18:1)	15 – 35 %
Linoleic Acid (C18:2)	40 – 55 %

ACTIVE INGREDIENT

Squalene	5 - 7 %
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Storage

Oil must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life	24 months
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ORGANIC FENUGREEK SEED OIL SC CO₂

CAS NO.: 84625-40-1

INCI Name : Trigonella Foenum-Graecum Seed Oil

SPECIFICATIONS

Description:	OFGO
Product Code:	India
Origin	<i>Trigonella foenum-graecum</i>
Botanical Name	Supercritical extract
Extraction Method	Organic Fenugreek Seeds
Parts Used	

PHYSICO-CHEMICAL SPECIFICATIONS

TEST PARAMETER

SPECIFICATION

Odor	Characteristic of Fenugreek
Color/Appearance	Yellowish Brown
Specific Gravity at 20°C	0.910 - 0.940
Refractive Index at 20°C	1.470 - 1.490
Peroxide Value (meq O ₂ /kg)	Max 5
Acid Value	Max 25.0

Storage:

Oil must be tightly capped and stored in a cool, dry place out of direct sunlight.

Shelf Life

24 months







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