

TECHNICAL DATA SHEET

Product Name	SOYBEAN OIL
Botanical Name	Glycine soja
Product Code	PCO4020
CAS #	8001-22-7
EINECS #	232-274-4
INCI Name	Glycine soja (Soybean) Oil

Part Used	Seeds
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Clear pale yellow colored liquid
Odour	Odorless
Refractive Index	1.460 – 1.475 @ 20°C
Specific Gravity (g/mL)	0.910 – 0.930 @ 25°C
Saponification Value (mgKOH/g)	180 - 200
Peroxide Value (meq O₂/kg)	Less than 2.0
Iodine Value (g I₂/100g)	120 - 141
Free Fatty Acid (% as oleic)	Less than 1.5
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Myristic Acid	C14:0	Maximum 2.00
Palmitic Acid	C16:0	8.00 – 13.50
Stearic Acid	C18:0	2.00 - 5.40
Oleic Acid	C18:1 (n-9)	17.00 – 30.00
Linoleic Acid	C18:2 (n-6)	48.00 – 59.00
Linolenic Acid	C18:3	4.50 – 11.00

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<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mould	< 10 CFU/g	ISO 16212
Candida albicans	ABSENT / 1g	ISO 18416
Escherichia coli	ABSENT / 1g	ISO 21150
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717
Staphylococcus aureus	ABSENT / 1g	ISO 22718

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na
Arsenic: As (mg/kg or ppm)	< 2 ppm	na
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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