POMEGRANATE SEED OIL

TREAT YOUR SOUL

Product Name	POMEGRANATE SEED OIL
Botanical Name	Punica granatum

CAS #	84961-57-9
EINECS #	284-646-0
INCI Name	Punica granatum (Pomegranate) Seed oil

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

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance	Pale yellow to golden yellow colored liquid	CONFORMS
Odour	Very mild nutty/seed-like, fatty odour	CONFORMS
Refractive Index	1.513 - 1.525 @ 20°C	1.520
Specific Gravity (g/mL)	0.920 - 0.960 @ 20°C	0.941
Saponification Value (mgKOH/g)	182 - 192	187
Peroxide Value (meq O_2/kg)	Less than 8.0	CONFORMS
Free Fatty Acids (% oleic)	Less than 2.0	0.6
Acid Value (mgKOH/g)	Less than 4.0	1.1
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water	CONFORMS

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FATTY ACID COMPOSITION:

FATTY ACID	C-CHAIN	SPECIFICATIONS (%)	RESULTS (%)
Palmitic Acid	C16:0	1.00 ± 4.00	3.20
Stearic Acid	C18:0	1.00 ± 3.00	2.60
Oleic Acid	C18:1 (n-9)	3.00 ± 7.00	6.10
Linoleic Acid	C18:2 (n-6)	4.00 ± 8.00	6.70
Punicic Acid	C18:3 (n-5)	70.00 ± 85.00	79.30

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

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

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.

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