

- import and distrubition for Serbia: Avena Lab Farmadria d.o.o.

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CERTIFICATE OF ANALYSIS

Product Name	WHEAT GERM OIL
Botanical Name	Triticum aestivum
Product Code	PCO4023
CAS#	84012-44-2 ; 68917-73-7
EINECS #	281-689-7
INCI Name	Triticum vulgare (Wheat) Germ Oil

Batch #	52210
Manufacturing Date	AUGUST 2023
Best Before Date	AUGUST 2025

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

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance	Light yellow to golden yellow colored liquid	CONFORMS
Odour	Characteristic mild wheat-like odour	CONFORMS
Refractive Index	1.469 - 1.479 @ 20°C	1.476
Specific Gravity (g/mL)	0.915 - 0.930 @ 20°C	0.929
Saponification Value (mgKOH/g)	180 - 195	194
Unsaponifiable Matter (%)	Around 4.90%	CONFORMS
Peroxide Value (meq O ₂ /kg)	Less than 5.0	CONFORMS
lodine Value (g l ₂ /100g)	115 - 140	132
Free Fatty Acids (% oleic)	Less than 0.5	CONFORMS
Acid Value (mgKOH/g)	Less than 1.0	CONFORMS
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	9.00 – 18.00	12.40
Palmitoleic Acid	C16:1 (n-7)	Maximum 0.50	0.30
Stearic Acid	C18:0	Maximum 3.0	0.12
Oleic Acid	C18:1 (n-9)	14.00 – 28.00	19.40
Linoleic Acid	C18:2 (n-6)	50.00 - 62.00	61.90
Alpha-Linolenic Acid	C18:3 (n-3)	2.00 - 10.00	5.19

MICROBIAL ANALYSIS	SPECIFICATIONS	STANDARDS	<u>RESULTS</u>
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.

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