

TECHNICAL DATA SHEET

Product Name	ANGUSTI PURE LUPIN OIL
Botanical Name	Lupin Angustifolius
Product Code	TBC
CAS#	3088519-75-6
INCI Name	Lupin Angustifolius Kernel Oil (pending)

Part Used	Seed kernel
Extraction Method	Cold Pressed
Quality	100% Pure and Unrefined
Use	Cosmetics and Nutraceutical

PROPERTIES	SPECIFICATIONS
Appearance	Orange-yellow to amber coloured oily liquid
Aroma	Neutral, slightly nutty aroma
Refractive Index (@40°C)	1.455 – 1.462
Specific Gravity (g/ml)	0.87 - 0.92
Relative Density (@20°C)	0.87 - 0.97 g/ml
Saponification Value (mg KOH/g)	152.2 – 193.5
Peroxide Value (meq O₂/kg)	< 10 mmol O ₂ /kg
Iodine Value (g I₂/100g)	108 - 113
Acid Value (mg KOH/g)	< 7 mg KOH/g
Free Fatty Acids (%)	0.41
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

FATTY ACID COMPOSITION	METHOD	SPECIFICATIONS (%)
Palmitic Acid C16:0	PE 2.4.22	9.9 – 12.5%
Stearic Acid C18:0		5.0 – 7.7%
Oleic Acid C18:1 (n-9)		34.5 – 38.5%
Linoleic Acid C18:2 (n-6)		37.0 – 41.0%
Alpha Linolenic Acid C18:3 (n-3)		3.7 – 4.8%

BIOACTIVES	METHOD	SPECIFICATIONS (mg/100g)
Gamma Tocopherol (Vitamin E)	Specify method - 2.4.23?	859 ± 257
Campesterol		56 ± 16.8
Squalene		14 ± 4.2
Gamma-Sitosterol		150 ± 45
Stigmasterol		15 ± 4.5
Linoleic Acid: 9, 12 Octadecadienoic		

*Eurofins Environment Testing, Qld, 17/9/2025

MICROBIAL ANALYSIS	SPECIFICATIONS
Aerobic Mesophilic Bacterial Count	<1000 CFU/g

Yeast and Mould	<100 CFU/g
Mould	<100 CFU/g
Escherichia coli	Absent/1g
Pseudomonas aeruginosa	Absent/1g
Staphylococcus aureus	Absent/1g

HEALTH & SAFETY	SPECIFICATIONS
Heavy Metals (mg/kg or ppm)	None present
Pesticides	In general, all requirements of Regulation (EC) No. 396/2005 (EU Residual Content Regulation) are ensured
GMO	It is confirmed that the product does not contain or consist of genetically modified organisms (GMOs) in accordance with Regulation (EC) 1829/2003 and (EC) 1830/2003. It also contains no ingredients that are made from GMOs.

STORAGE AND PACKAGING

Plant-based oil will crystallise at a temperature below 10°C.

Keep in tightly closed container, protected from sunlight; temperature below 18°C.

Shelf life: Best before 24 months in original closed packaging (testing underway).

Packaging: drum/canister, opaque food contact material

Volume 20 litres

Weight Net 20kg Gross 21kg

Labelling: product name, batch number, gross weight, net weight, best before date.

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