

CERTIFICATE OF ANALYSIS

Product Name	Safflower Oil
INCI Name	Carthamus Tinctorius Seed Oil
CAS Number	8001-23-8
EINECS Number	232-276-8
Lot Number	4586701
Manufacture Date	07/2025
Re-test Date	07/2027

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance	Oily Liquid	CONFORMS
Odour	Characteristic	CONFORMS
Colour	Yellow-Golden	CONFORMS
Free Fatty Acids	< 10.0	0.15
Specific Gravity @20°C	0.922-0.927	0.926
Acid Value	<20.0	0.3
Peroxide Value (meq O₂/kg)	<20.0	1.6
Iodine Value	136.0-148.0	142.7
Moisture	< 0.1	<0.1

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>	<u>RESULTS (%)</u>
Palmitic Acid	C16:0	5.30 – 8.00	6.10
Stearic Acid	C18:0	1.90 – 5.00	2.80
Oleic Acid	C18:1	5.30 – 21.30	12.40
Linoleic Acid	C18:2	67.80 – 83.20	75.40

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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