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Product Master Specification

Item Name	Cold Pressed Safflower Oil Vegan (Carthamus tinctorius) Organic
Product Code	NIGENUL1005168-SAORG
Product Type	Nutritional Lipids
Issue Date	20-Aug-2026
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	Light yellow Liquid
Odour and Taste	Characteristic
Characteristics	
Irradiation	Free
GMO	Free
BSE/TSE	Free
Palmitic Acid C16:0	3.5 – 6.0%
Palmitoleic acid C16:1	0 – 0.2 %
Stearic Acid C18:0	1.5 – 3.5%
Arachidic Acid C20:0	0.1 – 0.6%
Behenic Acid C20:0	≤ 0.4 %
Lignoceric Acid C24:0	≤ 0.3 %
Oleic Acid C18:1	70.0 – 83.7%
Linoleic Acid C18:2	9.0 – 19.9%
Linoleic Acid C18:3	< 1.2%
Eicosenoic Acid C20:1	0.1 – 0.5%
Sum of trans fatty acids	< 2.0 %
Moisture	≤ 0.2 %
Peroxide Value	<10 meqO2/Kg
Acid Value	<4 mgKOH/g
Density	0.910 - 0.930 g/cm3
Refractive index	1.460 – 1.475
Heavy Metals	
Lead (Pb)	< 0.10 ppm

Arsenic (As)	< 0.10 ppm
Microbiological	
Aflatoxin B1	< 2 µg/kg
Total Aflatoxin	< 4 µg/kg
Benzo(a)pyrene	< 2 µg/kg
Sum of PAHs	< 10 µg/kg
Storage & Handling	
Storage	Store in a clean, cool, dry place at 5 - 25°C. Protect from humidity (RH < 60) and sunlight.
Preparation and/or handling before use or processing	Please ask our QA department for detailed instructions
Transportation	Transportation suitable for dried food powders
Packaging	All packaging meets EU regulations
Shelf Life	2 years from manufacture if stored according to conditions above
Approved by	Quality Department
Signed By	Shehara Premachandra
Disclaimer	All batches are fully in line with all requirements of the agreed specifications as standard, however not all parameters are tested per batch all of the time. Nutraceuticals Group guarantee all batches.
Template Version	NGEMNSPEC202408a
General Information	Please note this is a guide only from analytical data from labs or the manufacturer of the product. Nutraceuticals accept no responsibility for any inaccuracies in the data. We strongly suggest if using this data for labelling / pack artwork you analyse your finished product to verify nutritional data.
Energy	3700 kJ
Energy	900 kcal
Total fat	100 g
of which Saturates	5.0 – 10.0 %
of which Monounsaturates	70.0 – 83.7 %
of which Polyunsaturates	9.0 – 20.0 %
Salt	< 0.1 g