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Product Master Specification

Item Name	Flax Seed (Linseed) Oil Cold Pressed (Linum usitatissimum l.) Organic Food Grade
Product Code	NIGENUL1005170-SAORG
Product Type	Nutritional Lipids
Issue Date	07-Sep-2026
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	Yellow,Clear, liquid
Odour and Taste	Characteristic
Characteristics	
Latin Name	Linum usitatissimum l.
Irradiation	Free
GMO	Free
BSE/TSE	Free
Palmitic Acid C16:0	4.0-11.3%
Stearic Acid C18:0	2.0-8.0%
Linolenic Acid C18:3	43.8-70.0%
Arachidic Acid C20:0	1.0%
Behenic Acid C20:0	0.5%
Linoleic Acid C18:2	8.3-30.0%
Oleic Acid C18:1	9.8-36.0%
Erucic Acid C22:1	1.2%
Eicosenoic Acid C20:1	1.2%
Lignoceric Acid C24:0	0.3%
Moisture	≤ 0.10 %
Peroxide Value	≤ 10.00 meq/kg
Specific Gravity	0.925-0.935 g/cm ³
Iodine Value	170-211
Free Fatty Acids	≤ 2.00 %
Heavy Metals	
Heavy Metals Total	≤ 10.00 ppm

Lead (Pb)	≤ 3.00 ppm
Arsenic (As)	≤ 1.00 ppm
Cadmium (Cd)	≤ 1.00 ppm
Mercury (Hg)	≤ 0.10 ppm
Microbiological	
Total Plate Count	≤1000cfu/g
Yeast and Mould	≤100cfu/g
Enterobacteriaceae	≤10cfu/g
Escherichia coli (E. coli)	Not detected / g
Salmonella	Not detected / 25g
Aflatoxin B1	≤ 2.00 ppb
Aflatoxin (B1, B2, G1, G2)	≤ 4.00 ppb
Benzo(a)pyrene	≤ 2.0 ppb
Sum of PAHs	≤ 2.0 ppb
Sum of dioxins and furans	≤0.75 pg/g fat
Sum of dioxins and furans +dioxin-like PCB's	≤1.25 pg/g fat
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	While Nutraceuticals Group strives to provide comprehensive information about all ingredients, the specific nutritional data for this product is currently not available. We recommend conducting further analysis if precise nutritional information is required for your product labelling.