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Product Master Specification

Item Name	Algal Oil 55% Omega-3 30% DHA 15% EPA Vegan (Schizochytrium Sp.)
Product Code	NIGENUL000511.1
Product Type	Nutritional Lipids
Issue Date	05-Mar-2026
Version	V03
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	Clear - yellowish Liquid
Odour and Taste	Very light algal odor
Description	nutritional oil derived from the marine algae, Schizochytrium sp. a rich source of Omega-3 docosahexaenoic acid (DHA) and eicosapentaenoic acid (EPA) with rosemary extract (flavouring). Ascorbyl palmitate and tocopherols, as antioxidants are added to provide stability.
Characteristics	
Source	Schizochytrium sp.
Irradiation	Free
GMO	Free
BSE/TSE	Free
Product Specific Test	
Unsaponifiable Matter	≤ 4.50 %
Total Omega-3 Content	≥ 55.00 %
DHA Content	≥ 30.00 %
EPA Content (as TG)	≥ 15.00 %
Anisidine Value	<20
TOTOX	<26
Trans Fatty Acids	≤ 1.00 %
Physical/Chemical	
Bulk Density	0.94 g/cm ³
Peroxide Value	≤ 5.00 meq/kg
Heavy Metals	
Heavy Metals Total	≤ 10.00 ppm
Lead (Pb)	≤ 0.10 ppm
Arsenic (As)	≤ 0.10 ppm

Cadmium (Cd)	≤ 0.10 ppm
Mercury (Hg)	≤ 0.10 ppm
Microbiological	
Total Plate Count	< 1,000 CFU/g
Yeast and Mould	< 100 cfu/g
Escherichia coli (E. coli)	Not detected / 10g
Salmonella	Not detected / 10g
Storage & Handling	
Storage	This product meets all specifications when stored in original, unopened container for up to 6 months when refrigerated (<5°C) and up to 24 months when frozen (<-18°C). Product should be thawed completely and mixed well before opening containers. For best sensory performance, store material frozen and away from strong odours or sunlight. When possible, use the entire contents of the container at one time. Unused portions should be blanketed with nitrogen and stored frozen.
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	6 months when refrigerated (<5°C), 24 months when frozen (<-18°C).
Approved by	Quality Department
Signed By	Leena Saikumar
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
Nutritional (Typical) / 100g	
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.