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Product Master Specification

Item Name	Sea Buckthorn Berry Oil (<i>Hippophae rhamnoides</i>) Cosmetic Grade
Product Code	NIGENUL1005153
Product Type	Nutritional Lipids
Issue Date	03-Jun-2026
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	Orange-yellow liquid
Odour and Taste	Characteristic
Characteristics	
Latin Name	Hippophae rhamnoides
Parts Used	Berries
Method of production	Cold pressed
Irradiation	Free
GMO	Free
BSE/TSE	Free
Product Specific Test	
Palmitic Acid C16:0	20.0 – 40.0%
Palmitoleic acid C16:1	19.0 – 33.0%
Stearic Acid C18:0	< 3.0%
Linoleic Acid C18:2	5.0 – 22.0 %
Oleic Acid	10.0 – 28.0%
Fatty Acid	Total trans fatty acids: < 2 %
Fatty Acid C18:3 Alpha Linolenic Acid	< 5.0%
Vaccenic acid C18:1	< 6.0%
Physical/Chemical	
Peroxide Value	< 30 meqO ₂ /Kg
Acid Value	< 15 mgKOH/g
Density	0.890 – 0.955 g/cm ³
Unsaponifiable matter	< 6 %
Saponification Value	150 – 210 mgKOH/g

Heavy Metals	
Lead (Pb)	≤ 3.00 ppm
Cadmium (Cd)	≤ 1.00 ppm
Mercury (Hg)	≤ 0.10 ppm
Microbiological	
Total Plate Count	<1000cfu/g
Yeast and Mould	<1000cfu/g
Escherichia coli (E. coli)	Not detected / g
Staphylococcus aureus	Not detected / g
Pseudomonas aeruginosa	Not detected / g
Candida Albicans	Not detected / g
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	18 months from manufacture if stored according to conditions above
Approved by	Quality Department
Signed By	Eliza Lawrence
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.