

**TECHNICAL DATA SHEET
ROSEHIP SEED OIL – ORGANIC**

Revision: September 2026

1. PRODUCT IDENTIFICATION

Product Name	Rosehip Seed Oil – Organic
INCI Name	Rosa Rubiginosa Seed Oil
Botanical Name	Rosa rubiginosa (syn. Rosa eglanteria)
Plant Part Used	Seeds
Country of Origin	Lesotho
HS Code	1515.90
Recommended Use	Cosmetic and personal-care formulations

2. DESCRIPTION & FUNCTION

A natural cold-pressed African lipid oil obtained from Rosehip seeds. It is characterised by a golden-yellow to orange colour and a high proportion of polyunsaturated fatty acids, particularly linoleic and alpha-linolenic acids. It is suitable as an emollient and skin-conditioning ingredient in cosmetic and personal-care formulations.

3. PROCESSING

Extraction	Cold pressed; mechanical screw-expeller extraction
Further Treatment	Filtration for clarity; no additional processing
Additives / Preservatives	None

4. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear liquid
Colour	Golden yellow to reddish-orange
Odour	Characteristic, mild fatty odour
Specific Gravity (20°C)	0.924 – 0.925
Refractive Index (20°C)	1.4674 – 1.477

5. REPRESENTATIVE FATTY ACID PROFILE

Palmitic Acid (C16:0)	2.50%
Stearic Acid (C18:0)	1.468%

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Oleic Acid (C18:1)	14.81%
Linoleic Acid (C18:2)	43.44%
α -Linolenic Acid (C18:3)	34.90%
Arachidic Acid (C20:0)	0.36%

Representative profile from the referenced production batch; natural variation occurs between batches.

6. QUALITY PARAMETERS

Saponification Value	191.3 – 193.8
Peroxide Value	0.64 – 4.00 meq/kg
Free Fatty Acids	0.260 – 1.00
Relative Density (20°C)	0.924 – 0.925
Refractive Index (20°C)	1.4674 – 1.477

7. STORAGE & SHELF LIFE

Shelf life: 24 months from date of manufacture when stored in the original sealed container under recommended conditions. Store in a cool, dry and dark environment, protected from direct sunlight, excessive heat and moisture.

8. CERTIFICATION & STATUS

Organic Status	Certified Organic
Certification	Applicable organic certification supplied with commercial supply
GMO Status	Non-GMO
Allergen Status	None declared
Composition	100% plant-derived lipid oil; no added preservatives or additives

9. TRACEABILITY

Full batch traceability is maintained. A representative COA may be supplied for technical evaluation; commercial orders include the corresponding batch-specific COA.