

TECHNICAL DATA SHEET
PRICKLY PEAR SEED OIL – CONVENTIONAL

Revision: September 2026

1. PRODUCT IDENTIFICATION

Product Name	Prickly Pear Seed Oil – Conventional
INCI Name	Opuntia Ficus-Indica Seed Oil
Botanical Name	Opuntia ficus-indica
Plant Part Used	Seeds
Country of Origin	South Africa
HS Code	1515.90.90
Recommended Use	Cosmetic and personal-care formulations

2. DESCRIPTION & FUNCTION

A premium cold-pressed South African lipid oil produced from the seeds of *Opuntia ficus-indica*. It is naturally rich in linoleic acid and is suitable as an emollient and conditioning ingredient in cosmetic and personal-care formulations.

3. PROCESSING

Extraction	Cold pressed
Further Treatment	Physical filtration; no refining stated for the current supplied grade
Additives / Preservatives	None stated

4. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Pale yellow to greenish-yellow liquid
Odour	Characteristic nut odour
Specific Gravity	0.900 – 0.930 @ 25°C
Refractive Index	1.463 – 1.479 @ 20°C

5. TYPICAL FATTY ACID PROFILE

Palmitic Acid (C16:0)	11 – 17%
Stearic Acid (C18:0)	1 – 5%
Oleic Acid (C18:1)	16 – 23%
Linoleic Acid (C18:2)	56 – 66%

Typical profile only; natural variation occurs between batches.

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6. QUALITY PARAMETERS

Peroxide Value	< 15 meq O ₂ /kg; refer to current COA
Free Fatty Acids	< 2% as oleic; refer to current COA
p-Anisidine Value	< 10

7. STORAGE & SHELF LIFE

Shelf life: 24 months from date of manufacture when stored in sealed original containers under recommended conditions; the product may be retested thereafter. Store in a cool, dry place below 20°C, protected from light and heat.

8. CERTIFICATION & STATUS

Organic Status	Conventional
Certification	Not supplied as certified organic
GMO Status	See current product declaration
Allergen Status	See current product allergen declaration
Composition	100% plant-derived lipid oil

9. TRACEABILITY

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