

# NOW

## CERTIFICATE OF ANALYSIS

Prickly Pear Oil (Opuntia Ficus Indica)

<b>PRODUCT NAME</b>	Organic Prickly Pear Seed Oil
<b>INCI NAME</b>	Opuntia Ficus Indica (Prickly Pear) Seed Oil
<b>CAS NUMBER</b>	90082-21-6
<b>PRODUCT USE</b>	Personal Care Formulations
<b>COUNTRY OF ORIGIN</b>	Morocco
<b>CULTIVATION METHOD</b>	Organic, Pure
<b>EXTRACTION METHOD</b>	Freshly Cold Pressed
<b>MANUFACTURING DATE</b>	January 2024
<b>SHELF LIFE</b>	January 2027

ANALYTICAL TEST	SPECIFICATIONS (RANGE)	RESULTS
APPEARANCE	Clear, yellow to green oily liquid	CONFORMS
ODOUR	Bland, Characteristics	CONFORMS
Refractive Index	1.463 - 1.479 @ 20°C	1.468
SPECIFIC GRAVITY (g/mL)	0.900 – 0.930 @ 25°C	0.917
PEROXIDE VALUE (meq O <sub>2</sub> /kg)	Less than 5.0	CONFORMS
SAPONIFICATION VALUE (mgKOH/g)	183.0 – 195.0	190.0
FREE FATTY ACID (% oleic)	Less than 0.5	0.1
SOLUBILITY	Soluble in Cosmetic esters and fixed oils; Insoluble in water	CONFORMS

FREE FATTY ACID PROFILE		SPECIFICATIONS (RANGE)	RESULTS
<b>C-CHAIN</b>	<b>ACID NAME</b>		
C16:0	Palmitic Acid	10.00 - 14.00	10.50
C18:0	Stearic Acid	2.50 - 5.50	2.90
C18:1 (n-9)	Oleic Acid	18.00 - 30.00	23.40
C18:2 (n-6)	Linoleic Acid	55.00 - 65.00	62.20
C18:3 (n-6)	Alpha-Linoleic Acid	Maximum 1.00	0.50

### STABILITY AND STORAGE

Shelf life is guaranteed for three years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Containers that have been opened should be tested at least yearly to ensure potency. Although NOW Sustainability believes the above information to be accurate based on the information available to NOW Sustainability, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from NOW Sustainability meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material is subject to NOW Sustainability standard terms and conditions.

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