

CERTIFICATE OF ANALYSIS

Product Name	SHEA BUTTER (UNREFINED)
Botanical Name	Butyrospermum parkii syn Vitellaria paradoxa
Product Code	PBO6066
CAS #	91080-23-8 ; 194043-92-0
EINECS #	293-515-7
INCI Name	Butyrospermum Parkii (Shea) Butter

Part Used	Nuts
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow colored semi-solid fat
Odour	Characteristic mild nutty odour
Refractive Index	1.460 - 1.475 @ 44°C
Specific Gravity (g/mL)	0.890 - 0.980 @ 25°C
Melting Point (°C)	28° - 45°
Moisture (%)	Maximum 0.2
Saponification Value (mgKOH/g)	160 - 198
Unsaponifiables Matter (% m/m)	1.0 – 19.0
Peroxide Value (meq O₂/kg)	Maximum 10.0
Iodine Value (g I₂/100g)	30 - 72
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	2.00 – 9.00
Stearic Acid	C18:0	34.00 – 47.00
Oleic Acid	C18:1 (n-9)	38.00 – 50.00
Linoleic Acid	C18:2 (n-6)	3.00 – 10.00
Arachidic Acid	C20:0	Maximum 3.50

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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