

Certificate of Analysis

Name of Product: Shea Butter, Refined
Batch Number: BBB2495D
INCI Name: Butyrospermum Parkii Butter

Test	Standards/Methods	Results
Description	Soft butter	-
Colour	Off white - ivory	-
Odour	Faint odour	-
Colour (Lovibond)	<12Y, 1.5R	Complies
Acid Value (mg KOH/g)	≤1.0	0.16
Peroxide Value (mEq O ₂ /kg)	≤5.0	0.0
Iodine Value	45.0 – 68.0	61.50
Saponification Value	168.0 – 190.0	179.9
Unsaponifiable Matter	5.0 – 10.0	5.07
Free Fatty Acid (% as Oleic)	≤1.0	0.08
Specific Gravity @ 20°C	0.900 – 0.940	Complies
Melting Point °C	30.0 – 42.0	31.90
Moisture	≤0.10	Complies

Fatty Acid Profile		Range %	Results
C-Chain	Acid Name		
C16:0	Palmitic	3.0 – 8.0	3.8
C18:0	Stearic	40.0 – 50.0	44.0
C18:1	Oleic	40.0 – 50.0	44.2
C18:2	Linoleic	3.0 – 9.0	6.0
C18:3	Linolenic	≤1.0	0.1
C20:0	Arachidic	≤3.0	1.6