

ORGANIC TRADE & INVESTMENTS AIRPORT BYPASS – KIA ACCRA P.O BOX TT582 TEMA N/T GHANA

EMAIL: EXPORTS@OTI-GATI.COM

PHONE: +233 54 700 5415

Date of Analysis: 20 June 2023

Product Name: Shea Olein (for Biofuel)

Manufacturing Date: 16 June 2023 Expiry Date: 15 May 2025

Batch No.: OTI-SHOBF230616

## **TYPICAL CERTIFICATE OF ANALYSIS**

CHARACTERISTICS MEASURED	TPC MEASURED VALUE
Appearance	Free flowing. Clear liquid
Odour	Characteristics
Color	Yellow
Solubility	Insoluble in water
Free Fatty Acid (%)	0.0 - 8.0
Moisture Content (%)	0.0 - 2.0
Iodine Value (wijs)	58 – 72 / 100g
Acid Value (mg KOH/g)	0.0 - 1.0
Peroxide Value (meg O2/kg)	0.0 - 10.0
Water Content (%)	0.0 - 0.10
Slip Melting Point (°C)	30 – 40
Relative Density	0.91 - 0.98
Unsaponifiable Matter (%)	≥ 6.0
FATTY ACID PROFILE	
C12 (%) Lauric	0.0 - 1.0
C14.0 (%) Myristic	0.0 - 1.0
C16.0 (%) Palmitic	3.0 - 8.0
C18.0 (%) Stearic	25.0 – 37.0
C18.1 (%) Oleic	50.0 - 60.0
C18.2 (%) Linoleic	6.0 – 11.0
C18.3 (%) Linolenic	0.0 - 1.0
C20.0 (%) – Arachidic	0.0 – 2.0

Shelf Life: 18 months

Storage: In a cool, dark place in the original tightly closed container.

CoA Conducted and Approved by Quality Assurance Manager: Mr. Kofi.

Organic Trade & Investments Kotoka International Airport Airport Bypass Accra P.O Box TT582 Tema N/T Ghana

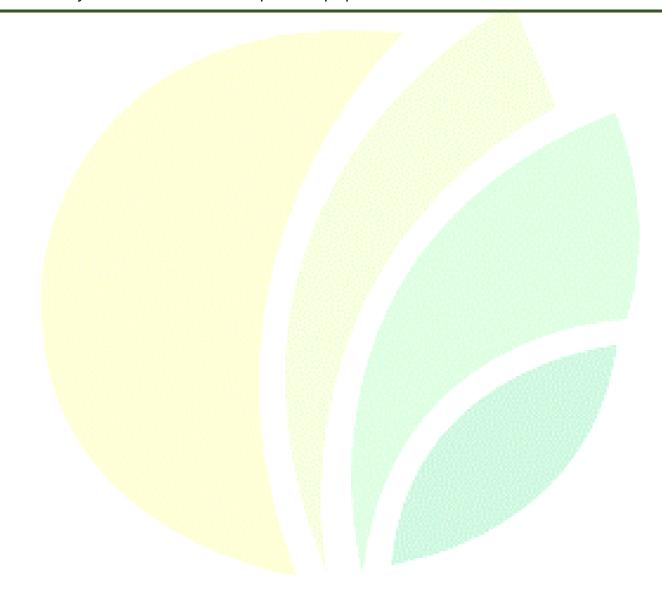
West Africa

Phone: +233 54 700 5415 +233 26 984 8067

Email: sales@oti-gati.com Website: www.oti-gati.com



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