

## **CERTIFICATE OF ANALYSIS**

|                         |                                             |
|-------------------------|---------------------------------------------|
| <b>Product Name</b>     | Shea Butter                                 |
| <b>INCI Name</b>        | Butyrospermum Parkii Butter                 |
| <b>CAS Number</b>       | 194043-92-0                                 |
| <b>Lot Number</b>       | 6016C26/04                                  |
| <b>Manufacture Date</b> | 03/2026                                     |
| <b>Re-test Date</b>     | 03/2028                                     |
| <b>Quality</b>          | 100% Pure and Natural ; Pressed and Refined |

| PROPERTIES                              | SPECIFICATIONS                                      | RESULTS                      |
|-----------------------------------------|-----------------------------------------------------|------------------------------|
| <b>Appearance</b>                       | Solid butter                                        | CONFORM                      |
| <b>Acid Value</b>                       | $\leq 0.5$ mgKOH/g                                  | 0.23                         |
| <b>Iodine Value</b>                     | 45.0 - 65.0 gI <sub>2</sub> /100g                   | 52.1                         |
| <b>Saponification Value</b>             | 165 - 188 mgKOH/g                                   | 186.8                        |
| <b>Peroxide Value at drumming*</b>      | $\leq 2.0$ meqO <sub>2</sub> /kg                    | 1.0                          |
| <b>Peroxide Value during shelf life</b> | $\leq 10.0$ meqO <sub>2</sub> /kg                   | guaranteed within shelf life |
| <b>Colour</b>                           | $\leq 50.0Y/5.0R$ Lovibond Cell 5 <sup>11</sup> 1/4 | 21.0Y/2.2R                   |
| <b>Unsaponifiable Matter</b>            | 4.0 - 10.0 %                                        | CONFORM                      |
| <b>Pour Point</b>                       | 38.0 - 48.0 °C                                      | CONFORM                      |
| <b>Melting Point</b>                    | 40.0 - 50.0 °C                                      | CONFORM                      |

\*Guaranteed at direct arrival in customer's house

## **FATTY ACID COMPOSITION %(GLC):**

| FATTY ACID                    | SPECIFICATIONS (%) | RESULTS (%) |
|-------------------------------|--------------------|-------------|
| <b>C12:0 Lauric Acid</b>      | $\leq 2.0$         | 0.07        |
| <b>C14:0 Myristic Acid</b>    | $\leq 1.0$         | 0.03        |
| <b>C16:0 Palmitic Acid</b>    | 3.00 – 8.00        | 6.58        |
| <b>C16:1 Palmitoleic Acid</b> | $\leq 0.5$         | 0.14        |
| <b>C17:0 Margaric Acid</b>    | $\leq 0.1$         | Tr.         |
| <b>C17:1 Margaroleic Acid</b> | $\leq 0.1$         | Tr.         |
| <b>C18:0 Stearic Acid</b>     | 35.00 – 45.00      | 42.59       |
| <b>C18:1 Oleic Acid</b>       | 40.00 – 50.00      | 42.16       |

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|                                   |             |      |
|-----------------------------------|-------------|------|
| <b>C18:2 Linoleic Acid</b>        | 4.00 – 10.0 | 7.66 |
| <b>C18:3 Alpha-Linolenic Acid</b> | ≤ 0.5       | 0.03 |
| <b>C20:0 Arachidic Acid</b>       | ≤ 2.0       | 0.50 |
| <b>C20:1 Eicosenoic Acid</b>      | ≤ 1.5       | 0.19 |
| <b>C22:0 Behenic Acid</b>         | ≤ 0.5       | 0.03 |

### 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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