

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: SHEANUT BUTTER, REFINED**

**Bomar Batch: S0298 LOT0021147**

PRODUCT INCI: BUTYROSPERMUM PARKII BUTTER

PRODUCT CODE: K0421

CAS NUMBER: 194043-92-0 / 91080-23-8

EINECS NUMBER: 293-515-7

MANUFACTURING METHOD: EXPPELLER PRESSED & REFINED

MANUFACTURING DATE: 15/01/2024

BEST BEFORE DATE: 15/01/2026

| ANALYTICAL DETAILS                      | RANGE %           | RESULTS     |
|-----------------------------------------|-------------------|-------------|
| APPEARANCE                              | SOFT BUTTER       | -           |
| COLOUR                                  | OFF WHITE - IVORY | -           |
| COLOUR (LOVIBOND)                       | <12Y, 1.5R        | 8.59Y, 1.0R |
| ODOUR                                   | FAINT ODOUR       | -           |
| ACID VALUE (MG KOH/G)                   | ≤ 1.0             | 0.08        |
| PEROXIDE VALUE (MEQ O <sub>2</sub> /KG) | ≤5.0              | 0.2         |
| IODINE VALUE                            | 45.0 – 68.0       | 60.5        |
| SAPONIFICATION VALUE                    | 168.0 – 190.0     | 184.1       |
| UNSAAPONIFIABLE MATTER                  | 5.0 – 10.0        | COMPLIES    |
| FREE FATTY ACID (% AS OLEIC)            | ≤1.0              | 0.04        |
| SPECIFIC GRAVITY @20°C                  | 0.900 – 0.940     | COMPLIES    |
| MELTING POINT °C                        | 30.0 – 42.0       | COMPLIES    |
| MOISTURE                                | ≤0.10             | COMPLIES    |

| FATTY ACID PROFILE |           | RANGE %     | RESULTS |
|--------------------|-----------|-------------|---------|
| C-CHAIN            | ACID NAME |             |         |
| C16:0              | PALMITIC  | 3.0 – 8.0   | 3.6     |
| C18:0              | STEARIC   | 40.0 – 50.0 | 41.5    |
| C18:1              | OLEIC     | 40.0 – 50.0 | 46.0    |
| C18:2              | LINOLEIC  | 3.0 – 9.0   | 6.3     |
| C18:3              | LINOLENIC | ≤ 1.0       | 0.2     |
| C20:0              | ARACHIDIC | ≤ 3.0       | 1.5     |

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