

CERTIFICATE OF ANALYSIS

PRODUCT NAME: SHEANUT BUTTER, REFINED

LOT NUMBER: LOT0022794

PRODUCT INCI: BUTYROSPERMUM PARKII BUTTER

PRODUCT CODE: K0421

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

EINECS NUMBER: 293-515-7

MANUFACTURING METHOD: EXPELLER PRESSED & REFINED

MANUFACTURING DATE: 05/06/2024

BEST BEFORE DATE: 05/06/2026

| ANALYTICAL DETAILS | RANGE % | RESULTS |
|---|-------------------|----------|
| APPEARANCE | SOFT BUTTER | - |
| COLOUR | OFF WHITE - IVORY | - |
| COLOUR (LOVIBOND) | <12Y, 1.5R | COMPLIES |
| ODOUR | FAINT ODOUR | - |
| ACID VALUE (MG KOH/G) | ≤ 1.0 | 0.14 |
| PEROXIDE VALUE (MEQ O ₂ /KG) | ≤5.0 | 0.2 |
| IODINE VALUE | 45.0 – 68.0 | 60.9 |
| SAPONIFICATION VALUE | 168.0 – 190.0 | 181.0 |
| UNSATONIFIABLE MATTER | 5.0 – 10.0 | 6.64 |
| FREE FATTY ACID (% AS OLEIC) | ≤1.0 | 0.07 |
| SPECIFIC GRAVITY @20°C | 0.900 – 0.940 | COMPLIES |
| MELTING POINT °C | 30.0 – 42.0 | 34.7 |
| MOISTURE | ≤0.10 | COMPLIES |

| FATTY ACID PROFILE | | RANGE % | RESULTS |
|--------------------|------------------|-------------|---------|
| C-CHAIN | ACID NAME | | |
| C16:0 | PALMITIC | 3.0 – 8.0 | 3.5 |
| C18:0 | STEARIC | 40.0 – 50.0 | 42.7 |
| C18:1 | OLEIC | 40.0 – 50.0 | 45.4 |
| C18:2 | LINOLEIC | 3.0 – 9.0 | 6.1 |
| C18:3 | LINOLENIC | ≤ 1.0 | 1.6 |
| C20:0 | ARACHIDIC | ≤ 3.0 | 0.1 |

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