



THE OIL FAMILY

CERTIFICATE OF ANALYSIS

PRODUCT NAME: MANGO, BUTTER

LOT NUMBER: LOT0030375

PRODUCT INCI: MANGIFERA INDICA SEED BUTTER

PRODUCT CODE: K0280/K0624

CAS NUMBER: 90063-86-8

EINECS NUMBER: 290-045-4

MANUFACTURING METHOD: EXPELLER PRESSED & REFINED

MANUFACTURING DATE: 06/03/2026

BEST BEFORE DATE: 06/03/2028

| ANALYTICAL DETAILS | RANGE % | RESULTS |
|---|--------------------------|----------|
| APPEARANCE | SOFT – SEMI SOLID BUTTER | COMPLIES |
| COLOUR | OFF WHITE – PALE YELLOW | COMPLIES |
| ODOUR | ODOURLESS | COMPLIES |
| COLOUR (LOVIBOND 5.25" CELL) | ≤ 45Y/ ≤ 5R | COMPLIES |
| FREE FATTY ACID (% AS OLEIC) | ≤ 0.3 | 0.07 |
| IODINE VALUE (G I ₂ /100G) | 38.0 – 48.0 | 47.88 |
| SAPONIFICATION VALUE (MG KOH/G) | 180.0 – 195.0 | 185.5 |
| UNSATURATED MATTER (%) | ≤ 2.0 | 1.38 |
| SLIP MELTING POINT (°C) | 30.0 – 40.0 | 35 |
| PEROXIDE VALUE (MEQ.O ₂ /KG) | ≤10.0 | 0.12 |

| FATTY ACID PROFILE | | RANGE % | RESULTS |
|--------------------|------------------|-------------|---------|
| C-CHAIN | ACID NAME | | |
| C16:0 | PALMITIC | 4.0 – 9.0 | 6.85 |
| C18:0 | STEARIC | 35.0 – 50.0 | 41.17 |
| C18:1 | OLEIC | 35.0 – 50.0 | 44.57 |
| C18:2 | LINOLEIC | 1.0 – 4.0 | 3.67 |
| C20:0 | ARACHIDIC | 2.0 – 6.0 | 2.42 |

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