

SPECIFICATION SHEET

PRODUCT NAME: **ALMOND (SWEET) EP9 OIL, REFINED**

PRODUCT INCI: PRUNUS AMYGDALUS DULCIS OIL

PRODUCT CODE: K0007

CAS NUMBER: 8007-69-0 / 90320-37-9

EINECS NUMBER: 291-063-5

MANUFACTURING METHOD: EXPELLER PRESSED, REFINED

SHELF LIFE: 18 MONTHS

DOCUMENTATION REVIEWED: JUNE 2023

| ANALYTICAL DETAILS | RANGE % |
|--|---------------------------------|
| APPEARANCE | PALE YELLOW - CLEAR OILY LIQUID |
| ODOUR | ODOURLESS |
| RELATIVE DENSITY @ 20°C | 0.910 – 0.915 |
| WATER | ≤0.1 |
| PEROXIDE VALUE (MEQ O ₂ / KG) | <5.0 |
| ACID VALUE | <0.5 |
| UNSAPONIFIABLE MATTER | <0.9 |

| FATTY ACID PROFILE | | RANGE % |
|--------------------|---|-------------|
| C-CHAIN | ACID NAME | |
| C<16:0 | SATURATED FATS (CHAIN LENGTH <16.0) | <0.1 |
| C16:0 | PALMITIC | 4.0 – 9.0 |
| C16:1 | PALMITOLEIC | <0.8 |
| C17:0 | MARGARIC | <0.2 |
| C17:1 | CIS-10-HEPTADECENOIC (MONOUNSATURATED FA) | <0.2 |
| C18:0 | STEARIC | <3.0 |
| C18:1 | OLEIC | 62.0 – 86.0 |
| C18:2 | LINOLEIC | 20.0 – 30.0 |
| C18:3 | LINOLENIC | < 0.4 |
| C20:0 | ARACHIDIC | < 0.2 |
| C20:1 | EICOSENOIC | < 0.3 |
| C22:0 | BEHENIC | < 0.2 |
| C22:1 | ERUCIC | < 0.1 |
| C24:0 | LIGNOCERIC | < 0.2 |

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| STEROL ANALYSIS | RANGE (%) |
|-------------------------|-------------|
| CHOLESTEROL | <0.7 |
| BRASSICASTEROL | <0.3 |
| CAMPESTEROL | <5.0 |
| STIGMASTEROL | <4.0 |
| BETA SITOSTEROL | 73.0 – 87.0 |
| $\Delta 5$ AVENSTEROL | >5.0 |
| $\Delta 7$ STIGMASTEROL | <3.0 |
| $\Delta 7$ AVENSTEROL | <3.0 |

| FREE FROM TESTS | RESULT |
|--------------------|--------|
| FOREIGN KERNAL OIL | PASS |
| SESAME SEED OIL | PASS |
| COTTONSEED OIL | PASS |
| ARACHIS OIL | PASS |
| MINERAL OIL | PASS |
| FOREIGN OILS | PASS |

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