

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: SAFFLOWER HIGH LINOLEIC OIL, REFINED**

**Bomar Batch: S0285** LOT0021276

PRODUCT INCI: CARTHAMUS TINCTORIUS SEED OIL

PRODUCT CODE: K0405

CAS NUMBER: 8001-23-8

EINECS NUMBER: 232-276-5

MANUFACTURING METHOD: EXPPELLER PRESSED & REFINED

MANUFACTURING DATE: 25/01/2024

BEST BEFORE DATE: 25/01/2026

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
COLOUR	LIGHT YELLOW	-
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.910 – 0.927	CONFORMS
REFRACTIVE INDEX @ 20°C	1.470 – 1.480	1.4743
SAPONIFICATION VALUE	185.0 – 195.0	191.5
PEROXIDE VALUE	<10.0	0.0
IODINE VALUE	140 – 157	145.0
ACID VALUE	<1.0	0.12

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	3.0 – 11.0	6.9
C18:0	STEARIC	1.0 – 5.5	2.9
C18:1	OLEIC	9.0 – 20.0	13.3
C18:2	LINOLEIC	≥ 75.0	75.6

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