

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: SUNFLOWER SEED OIL (HI LINOLEIC), REFINED ORGANIC**

**Batch: S0244** LOT0020800

PRODUCT INCI: HELIANTHUS ANNUUS SEED OIL

PRODUCT CODE: K0450

CAS NUMBER: 8001-21-6

EINECS NUMBER: 232-273-9

MANUFACTURING METHOD: EXPPELLER PRESSED, REFINED

MANUFACTURING DATE: 01/12/23

BEST BEFORE DATE: 01/12/2025

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
ODOUR	ODOURLESS	-
COLOUR	LIGHT YELLOW – YELLOW	-
COLOUR (LOVBOND)	<1.5R, <10Y	0.8R, 8.0Y
REFRACTIVE INDEX @ 20°C (NR)	1.460 – 1.476	1.468
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<10.0	1.13
IODINE VALUE (CALC)	118.0 – 140.0	125.0
FREE FATTY ACIDS (% AS OLEIC)	<0.2	<0.03

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	<8.0	5.09
C18:0	STEARIC	<5.0	3.16
C18:1	OLEIC	20.0 – 35.0	32.22
C18:2	LINOLEIC	48.0 – 75.0	55.43
C20:0	ARACHIDIC	< 1.0	<0.1
C22:0	BEHENIC	< 1.0	0.34

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