



CERTIFICATE OF ANALYSIS

PRODUCT NAME: SESAME SEED OIL, REFINED

LOT NUMBER: LOT0018486

PRODUCT INCI: SESAMUM INDICUM SEED OIL

PRODUCT CODE: K0420

CAS NUMBER: 8008-74-0

EINECS NUMBER: 232-370-6

MANUFACTURING METHOD: COLD PRESSED & REFINED

MANUFACTURING DATE: 13/06/2024

BEST BEFORE DATE: 13/06/2026

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	COMPLIES
COLOUR	CLEAR - LIGHT YELLOW	COMPLIES
ODOUR	ODOURLESS	COMPLIES
ACID VALUE (MG KOH/ G)	≤ 1.0	0.6
FREE FATTY ACID (% AS OLEIC)	≤ 0.5	0.3
SAPONIFICATION VALUE (MG KOH/GR)	177.0 – 197.0	190.0
PEROXIDE VALUE (MEQ O2/KG)	≤ 10.0	1.5
IODINE VALUE (GRL2/100GR)	103 - 116	112.0
SPECIFIC GRAVITY @ 20°C (G/ML)	0.916 – 0.921	0.919
REFRACTIVE INDEX @ 20°C	1.472 – 1.476	1.473
UNSATURATED MATTER (%)	≤ 1.5	< 1.5

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	7.9 – 12.0	9.9
C18:0	STEARIC	3.9 - 6.7	5.2
C18:1	OLEIC	35.9 – 43.7	38.4
C18:2	LINOLEIC	38.6 – 47.9	45.3

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