



THE OIL FAMILY

CERTIFICATE OF ANALYSIS

PRODUCT NAME: SESAME SEED OIL, REFINED

LOT NUMBER: LOT0014893

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: 23/01/23

BEST BEFORE DATE: 23/01/25

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	COMPLIES
ODOUR	ODOURLESS	COMPLIES
COLOUR	CLEAR - LIGHT YELLOW	COMPLIES
SPECIFIC GRAVITY @ 20°C (GR/CM3)	0.915 - 0.923	0.919
REFRACTIVE INDEX @ 20°C	1.460 - 1.475	1.467
SAPONIFICATION VALUE (MG KOH/GR)	177.0 - 197.0	190.0
UNSATURIFIABLE MATTER (%)	<2.0	0.7
FREE FATTY ACID (% AS OLEIC)	<1.0	0.05
PEROXIDE VALUE (MEQ O ₂ /KG)	<10.0	2.7
IODINE VALUE (GRL2/100GR)	110.0 - 150.0	128.0
ACID VALUE (%)	<2.0	0.1

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	7.0 - 12.0	10.0
C16:1	PALMITOLEIC	<0.5	0.3
C18:0	STEARIC	3.0 - 6.5	4.2
C18:1	OLEIC	20.0 - 40.0	26.0
C18:2	LINOLEIC	45.0 - 65.0	53.1
C18:3	LINOLENIC	<1.0	0.3
C20:0	ARACHIDIC	<1.0	0.3
C20:1	EICOSENOIC	<0.5	0.2
C22:0	BEHENIC	<0.5	0.3

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