



CERTIFICATE OF ANALYSIS

PRODUCT NAME: SESAME SEED OIL, REFINED

LOT NUMBER: LOT0020390

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: 06/03/2025

BEST BEFORE DATE: 06/03/2027

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 O ₂ /KG)	≤ 10.0	1.5
IODINE VALUE (GRL ₂ /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
UNSATURIFIABLE 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

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with O&3 regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission from O&3.