

CERTIFICATE OF ANALYSIS

PRODUCT NAME: **SESAME SEED OIL, REFINED**

Bomar Batch: R0368 (LOT NUMBER: *LOT0016951*)

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: 08/11/22

BEST BEFORE DATE: 08/11/24

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	OILY LIQUID	-
COLOUR	CLEAR - LIGHT YELLOW	-
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C (GR/CM3)	0.915 – 0.923	0.918
REFRACTIVE INDEX @ 20°C	1.460 – 1.475	1.466
SAPONIFICATION VALUE (MG KOH/GR)	177.0 – 197.0	190.0
UNSATURATED MATTER (%)	<2.0	0.6
FREE FATTY ACID (% AS OLEIC)	<1.0	0.05
PEROXIDE VALUE (MEQ O ₂ /KG)	<10.0	1.2
IODINE VALUE (GRL ₂ /100GR)	110.0 - 150.0	126.0
ACID VALUE (%)	<2.0	0.1

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	7.0 – 12.0	9.9
C16:1	PALMITOLEIC	<0.5	0.2
C18:0	STEARIC	3.0 - 6.5	3.9
C18:1	OLEIC	20.0 – 40.0	27.9
C18:2	LINOLEIC	45.0 – 65.0	52.6
C18:3	LINOLENIC	<1.0	0.2
C20:0	ARACHIDIC	<1.0	0.3
C20:1	EICOSENOIC	<0.5	0.1
C22:0	BEHENIC	<0.5	0.3

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