



CERTIFICATE OF ANALYSIS

PRODUCT NAME: ALMOND (SWEET) OIL, REFINED

LOT NUMBER: LOT0014715

PRODUCT INCI: PRUNUS AMYGDALUS DULCIS OIL

CAS NUMBER: 8007-69-0 / 90320-37-9

EINECS NUMBER: 291-063-5

MANUFACTURING METHOD: EXPPELLER PRESSED, REFINED

MANUFACTURING DATE: 08/12/22

BEST BEFORE DATE: 08/12/24

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	PALE YELLOW - CLEAR OILY LIQUID	-
ODOUR	ODOURLESS	-
COLOUR LOVIBOND (5.25" CELL)	≤ 25y, 2.5r	7.5y, 1.0r
SPECIFIC GRAVITY@ 20°C	0.910 – 0.915	0.915
REFRACTIVE INDEX @ 20°C	1.470 – 1.473	1.4709
FREE FATTY ACID (% AS OLEIC)	≤ 1.0	0.5
PEROXIDE VALUE (MEQ O ₂ / KG)	<10.0	2.4
IODINE VALUE (CALC)	95 – 102	99.4
ACID VALUE	<2.0	0.2
SAPONIFICATION VALUE (mg KOH/gr)	188.00 – 196.00	189.0

FATTY ACID PROFILE		RANGE %	RESULT
C-CHAIN	ACID NAME		
C16:0	PALMITIC	3.0 – 9.0	5.3
C16:1	PALMITOLEIC	<2.0	0.4
C18:0	STEARIC	1.0 - 3.0	3.0
C18:1	OLEIC	60.0 – 75.0	63.9
C18:2	LINOLEIC	20.0 – 30.0	27.4
C18:3	LINOLENIC	< 0.5	0.1
C20:0	ARACHIDIC	< 0.3	0.1
C20:1	EICOSENOIC	< 0.3	0.1
C22:0	BEHENIC	< 0.9	0.8
C24:0	LIGNOCERIC	< 0.5	0.1