

CERTIFICATE OF ANALYSIS

PRODUCT NAME: HAZELNUT OIL, REFINED

LOT NUMBER: LOT0023165

PRODUCT INCI: CORYLUS AVELLANA SEED OIL

PRODUCT CODE: K0219

CAS NUMBER: 84012-21-5 / 185630-72-2

EINECS NUMBER: 281-667-7

MANUFACTURING METHOD: EXPELLER PRESSED & REFINED

MANUFACTURING DATE: 16/04/2026

BEST BEFORE DATE: 16/04/2028

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	CLEAR - LIGHT YELLOW OILY LIQUID	COMPLIES
COLOUR LOVIBOND 5¼	$\leq 25Y, \leq 2.5R$	12.0 Y, 1.1 R
ODOUR	ODOURLESS	COMPLIES
RELATIVE DENSITY @ 20°C	0.915 – 0.925	0.916
REFRACTIVE INDEX @ 20°C	1.465 – 1.475	1.470
SAPONIFICATION VALUE	187.0 – 197.0	190.0
UNSATURIFIABLE MATTER	≤ 1.0	0.8
FREE FATTY ACID (% AS OLEIC)	≤ 0.2	0.1
PEROXIDE VALUE	≤ 10.0	1.0
IODINE VALUE	83.0 – 90.0	88.0

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	5.0 – 9.0	6.0
C16:1	PALMITOLEIC	≤ 1.0	0.2
C18:0	STEARIC	2.0 - 6.0	2.9
C18:1	OLEIC	68.0 – 85.0	75.1
C18:2	LINOLEIC	7.0 – 15.0	14.1
C18:3	LINOLENIC	≤ 0.5	0.2
C20:0	ARACHIDIC	≤ 0.5	0.3
C20:1	EICOSANOIC	≤ 0.3	0.2

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