

CERTIFICATE OF ANALYSIS

PRODUCT NAME: HAZELNUT OIL, REFINED

LOT NUMBER: Q0964 (LOT0013687)

PRODUCT INCI: CORYLUS AVELLANA SEED OIL

PRODUCT CODE: K0219

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

EINECS NUMBER: 281-667-7

MANUFACTURING METHOD: EXPPELLER PRESSED & REFINED

MANUFACTURING DATE: 15/11/2021

BEST BEFORE DATE: 15/11/2023

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	CLEAR - LIGHT YELLOW OILY LIQUID	-
COLOUR LOVIBOND 5¼	<25Y, <2.5R	8.0Y, 0.7R
ODOUR	ODOURLESS	-
RELATIVE DENSITY @ 20°C	0.915 – 0.925	0.921
REFRACTIVE INDEX @ 20°C	1.465 – 1.475	1.468
SAPONIFICATION VALUE	187 - 197	192.0
UNSAAPONIFIABLE MATTER	<1.0	0.7
FREE FATTY ACID (% AS OLEIC)	<0.2	0.1
PEROXIDE VALUE	<10.0	0.7
IODINE VALUE	83.0 – 90.0	87.0

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	5.0 – 9.0	7.3
C16:1	PALMITOLEIC	<1.0	0.1
C18:0	STEARIC	2.0 - 6.0	2.9
C18:1	OLEIC	68.0 – 85.0	79.5
C18:2	LINOLEIC	7.0 – 15.0	8.6
C18:3	LINOLENIC	< 0.5	0.1
C20:0	ARACHIDIC	< 0.5	0.3
C20:1	EICOSANOIC	< 0.3	0.2

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