

CERTIFICATE OF ANALYSIS



Product Name	Hazelnut Oil, Refined
Product INCI	Corylus Avellana Seed Oil
Product Code	C1223
CAS	84012-21-5
EINECS	281-667-7

Manufacturing Method	Expeller Pressed & Refined
Part Used	Nut
Quality	100% Pure and Natural

Manufacturing Date	03.2019
Best Before Date	03.2021
Lot Number	C000066

Analytical Details	Range %	Result
APPEARANCE	CLEAR - LIGHT YELLOW OILY LIQUID	-
COLOUR LOVIBOND 5%	<25Y, <2.5R	15Y, 1.5R
ODOUR	ODOURLESS	-
SPECIFIC GRAVITY @ 20°C	0.910 – 0.930	0.917
REFRACTIVE INDEX @ 20°C	1.465 – 1.470	1.470
SAPONIFICATION VALUE	187 - 200	190.0
UNSAPONIFIABLE MATTER	<1.0	0.5
FREE FATTY ACID (% AS OLEIC)	<0.2	0.1
PEROXIDE VALUE	<10.0	0.6
IODINE VALUE	83.0 – 90.0	87.0

Fatty Acid Profile		Range %	Result
C-CHAIN	ACID NAME		
C16:0	PALMITIC	5.0 – 10.0	8.1
C16:1	PALMITOLEIC	<1.0	0.2
C18:0	STEARIC	2.0 - 6.0	2.9
C18:1	OLEIC	68.0 – 85.0	77.9
C18:2	LINOLEIC	7.0 – 15.0	9.2
C18:3	LINOLENIC	< 0.5	0.2
C20:0	ARACHIDIC	< 0.5	0.2
C20:1	EICOSANOIC	< 0.3	0.2