



A. & A. Fratelli Parodi s.p.a.

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COA mod. MR 13 10, based on

TDS Rev. 4, 03/2023

(mod. MR 13 21)

Date: 23/02/2024

CERTIFICATE OF ANALYSIS

CLIENT

TRADE NAME

DESCRIPTION

INCI NAME (UE)

INCI NAME (US)

ACEF

PARYOL 480 MR – PH. EU.

REFINED SWEET ALMOND OIL - Ph. Eur. X Ed.

PRUNUS AMYGDALUS DULCIS OIL

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(SWEET ALMOND) OIL

8007-69-0

CAS NUMBER

EC NUMBER

PRODUCTION DATE

BATCH NUMBER

02/2024

6052B24/02

4843
w/01

	U.M.	Test methods	Range	Analytical results
Appearance		Visual	Pale yellow, clear liquid	Conform
Solubility			Slightly soluble in ethanol (96%), miscible with light petroleum	Conform
Acid value	mgKOH/g	EP 2.5.1	≤ 0.5	0.22
Peroxide value*	meqO2/Kg	EP 2.5.5 A	≤ 5.0	0.4
Colour	Gardner	AOCS Td 1a-64	≤ 3.0	2.8
Unsaponifiable matter	%	EP 2.5.7	≤ 0.9	Conform
Density at 20°C	g/cc	ASTM D1298-85	0.916 abt	Conform
Pour point	°C	ASTM D97-87	≤ -18	Conform
Absorbance (max 270 nm)		EP 2.2.25	0.2 – 6.0	Conform
Water	%	EP 2.5.32	≤ 0.1	Conform
TLC	-	EP 2.3.2	It complies	Conform

*Guaranteed at drumming

Fatty acids composition % (GLC): (EP 2.4.22 A)

Less than C16		≤ 0.1	0.04
Palmitic acid	C16:0	4.0 – 9.0	5.79
Palmitoleic acid	C16:1	≤ 0.8	0.29
Margaric acid	C17:0	≤ 0.2	0.04
Stearic acid	C18:0	≤ 3.0	2.12
Oleic acid	C18:1	62.0 – 86.0	68.53
Linoleic acid	C18:2	20.0 – 30.0	22.55
Alpha-Linolenic acid	C18:3	≤ 0.4	0.17
Arachidic acid	C20:0	≤ 0.2	0.19
Eicosenoic acid	C20:1	≤ 0.3	0.15
Behenic acid	C22:0	≤ 0.2	0.12
Erucic acid	C22:1	≤ 0.1	Tr.

Sterols composition (%): (EP 2.4.23 A)

Cholesterol		≤ 0.7	0.18
Campesterol		≤ 5.0	3.36
Stigmasterol		≤ 4.0	2.46
Beta Sitosterol		73.0 – 87.0	77.63
Delta 5 avenasterol		≥ 5.0	8.84
Delta 7 avenasterol		≤ 3.0	0.86
Delta 7 stigmasterol		≤ 3.0	0.91
Brassicasterol		≤ 0.3	Tr.

Shelf life: 24 months minimum in cool conditions (15-25°C) in unopened container

Note: the reported shelf life is referred to the product stored at room temperature, possibly in the original packaging and away from direct sunlight and heat sources. A&A Fratelli Parodi Spa shall not be held liable for a shelf life reduction (e.g. for unexpected increase in peroxides content) if the above conditions are not respected.

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