



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

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COA mod. MR 13 10, based on

TDS Rev. 5, 10/2020

(mod. MR 13 21)

Date: 02/03/2022

CERTIFICATE OF ANALYSIS

CLIENT	COSMOCHEM
TRADE NAME	PARYOL 243 AW/R – VIT A,D,E
CHEMICAL NAME	REFINED AVOCADO OIL (WINTERISED)
INCI NAME (EU)	PERSEA GRATISSIMA OIL
INCI NAME (US)	PERSEA GRATISSIMA (Avocado) OIL
CAS NUMBER	8024-32-6
EINECS NUMBER	232-428-0
PRODUCTION DATE	02/2022
EXPIRY DATE	02/2024
BATCH NUMBER	6021B22/01

	U.M.	Test methods	Range	Analytical results
Physical status at 25C°		Visual	Liquid	Conform
Acid value	mgKOH/g	AOCS Cd3d-63	≤0.5	0.07
Iodine value	gI ₂ /100	AOCS Cd 1-25	75.0 – 100.0	90.5
Saponification value	mgKOH/g	AOCS Cd 3-25	180.0 – 195.0	192.2
Peroxide value at drumming	meq O ₂ /Kg	AOCS Cd 8-53	≤2.0	0.5
Peroxide value during shelf life	meq O ₂ /Kg	AOCS Cd 8-53	≤10.0	guaranteed within shelf life
Colour	Yellow/Red	Lovibond cell 5'' ¼	≤50.0Y/5.0R	8.0Y/1.0R
Unsaponifiable matter	%	AOCS Ca6b-53	≤3.0	Conform
Density at 20C°	g/cc	ASTM D1298-85	0.910 – 0.925	0.917
Refractive index		AOCS Tp1a-64	1.460 – 1.480	1.472
Cloud point	°C	AOCS Cc 6-25	≤0	Conform
Pour point	°C	ASTM D97-87	≤-4	Conform
Vitamin A	IU	International Standard	20000	Conform
Vitamin D	IU	International Standard	40000	Conform
Vitamin E	IU	International Standard	300	Conform

*Guaranteed at direct arrival in customer's warehouse

Fatty acids composition %(GLC):

Lauric acid	C12:0	≤0.5	Tr.
Myristic acid	C14:0	≤1.0	Tr.
Palmitic acid	C16:0	4.0 – 10.0	5.19
Palmitoleic acid	C16:1	0.1 – 2.0	0.17
Margaric acid	C17:0	≤0.1	Tr.
Margaroleic acid	C17:1	≤0.1	Tr.
Stearic acid	C18:0	0.5 – 3.0	2.91
Oleic acid	C18:1	60.0 – 80.0	79.06
Linoleic acid	C18:2	10.0 – 20.0	11.70
Alpha-Linolenic acid	C18:3	≤1.0	0.05
Arachidic acid	C20:0	≤0.5	0.27
Eicosenoic acid	C20:1	≤0.5	0.22
Behenic acid	C22:0	≤0.5	0.37
Erucic acid	C22:1	Tr.	Tr.

Shelf life: 24 months minimum 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.