

## CERTIFICATE OF ANALYSIS

<b>CLIENT</b>	<b>COSMOCHEM</b>
<b>TRADE NAME</b>	<b>PARYOL 243 AW/R</b>
<b>DESCRIPTION</b>	<b>REFINED AVOCADO OIL (WINTERIZED)</b>
<b>INCI NAME (UE)</b>	<b>PERSEA GRATISSIMA OIL</b>
<b>INCI NAME (US)</b>	<b>PERSEA GRATISSIMA (Avocado) OIL</b>
<b>CAS NUMBER</b>	<b>8024-32-6</b>
<b>EC NUMBER</b>	<b>232-428-0</b>
<b>PRODUCTION DATE</b>	<b>01/2025</b>
<b>BATCH NUMBER</b>	<b>6021A25/02</b>

	U.M.	Test methods	Range	Analytical results
Physical status at 25°C		Visual	Liquid	Conform
Acid value	mgKOH/g	AOCS Cd 3d-63	≤ 0.5	0.07
Iodine value	gI <sub>2</sub> /100g	AOCS Cd 1-25	75.0 – 100.0	93.7
Saponification value	mgKOH/g	AOCS Cd 3-25	180.0 – 195.0	193.0
Peroxide value at drumming*	meqO <sub>2</sub> /kg	AOCS Cd 8-53	≤ 2.0	0.3
Peroxide value during shelf life	meqO <sub>2</sub> /kg	AOCS Cd 8-53	≤ 10.0	guaranteed within shelf-life
Colour	Yellow/Red	Lovibond cell 5"¼	≤ 50.0Y/5.0R	2.4Y/0.2R
Unsaponifiable matter	%	AOCS Ca 6b-53	≤ 3.0	Conform
Density at 20°C	g/cc	ASTM D1298-85	0.910 – 0.925	0.918
Cloud point	°C	AOCS Cc 6-25	≤ 0	Conform
Pour point	°C	ASTM D97-87	≤ -4	Conform
Refractive index		AOCS Tp1a-64	1.460 – 1.480	1.470

\*guaranteed at direct arrival in customer's warehouse

### Fatty acids composition %(GLC):

Lauric acid	C12:0	≤ 0.5	0.06
Myristic acid & Lower	C14:0	≤ 1.0	0.46
Palmitic acid	C16:0	4.0 – 10.0	6.39
Palmitoleic acid	C16:1	0.1 – 2.0	0.16
Margaric acid	C17:0	≤ 0.1	Tr.
Margaroleic acid	C17:1	≤ 0.1	Tr.
Stearic acid	C18:0	0.5 – 3.0	1.84
Oleic acid	C18:1	60.0 – 80.0	77.22
Linoleic acid	C18:2	10.0 – 20.0	13.25
Alpha-Linolenic acid	C18:3	≤ 1.0	0.18
Arachidic acid	C20:0	≤ 0.5	0.22
Eicosenoic acid	C20:1	≤ 0.5	0.18
Behenic acid	C22:0	≤ 0.5	0.03
Erucic acid	C22:1	Tr.	Tr.

Shelf life: 12 months minimum in cool conditions 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.