



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

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COA mod. MR 13 10, based on

TDS Rev. 4, 10/2020

(mod. MR 13 21)

Date: 01/07/2021

## CERTIFICATE OF ANALYSIS

<b>TRADE NAME</b>	<b>PARYOL 325 VN/R</b>
<b>DESCRIPTION</b>	<b>REFINED GRAPESEED OIL</b>
<b>INCI NAME (UE)</b>	<b>VITIS VINIFERA SEED OIL</b>
<b>INCI NAME (US)</b>	<b>VITIS VINIFERA (GRAPE) SEED OIL</b>
<b>CAS NUMBER</b>	<b>85594-37-2 / 84929-27-1 / 8024-22-4</b>
<b>EC NUMBER</b>	<b>287-896-9 / 284-511-6 / ---</b>
<b>PRODUCTION DATE</b>	<b>05/2021</b>
<b>BATCH NUMBER</b>	<b>6037E21/01</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	0.09
Iodine value	gI <sub>2</sub> /100g	AOCS Cd 1-25	130.0 – 145.0	139.4
Saponification value	mgKOH/g	AOCS Cd 3-25	185.0 – 200.0	195.2
Peroxide value at drumming*	meqO <sub>2</sub> /kg	AOCS Cd 8 -53	≤ 2.0	0.9
Peroxide value during shelf life	meqO <sub>2</sub> /kg	AOCS Cd 8-53	≤ 10.0	Guaranteed within shelf life
Colour		Visual	Yellow/green	Conform
Unsaponifiable matter	%	AOCS Ca 6b-53	≤ 2.0	Conform
Density at 20°C	g/cc	ASTM D1298-85	0.920 – 0.930	0.922
Cloud point	°C	AOCS Cc 6-25	≤ -10	Conform
Pour point	°C	ASTM D97-87	≤ -15	Conform
Refractive index		AOCS Tp 1a-64	1.465 – 1.475	1.472

\*Guaranteed at direct arrival in customers' warehouse

### Fatty acids composition %(GLC):

Lauric acid	C12:0	≤ 0.2	Tr.
Myristic acid	C14:0	≤ 0.2	0.06
Palmitic acid	C16:0	6.0 – 9.0	6.83
Palmitoleic acid	C16:1	≤ 1.0	0.14
Margaric acid	C17:0	≤ 0.1	0.06
Margaroleic acid	C17:1	≤ 0.1	Tr.
Stearic acid	C18:0	3.0 – 6.0	3.63
Oleic acid	C18:1	12.0 – 25.0	23.81
Linoleic acid	C18:2	60.0 – 75.0	64.66
Alpha-Linolenic acid	C18:3	≤ 1.5	0.24
Arachidic acid	C20:0	≤ 0.5	0.18
Eicosenoic acid	C20:1	≤ 0.5	0.15
Behenic acid	C22:0	≤ 0.3	0.23
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.

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