



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

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COA mod. MR 13 10, based on

TDS Rev. 3, 04/2019

(mod. MR 13 21)

Date: 17/06/2020

CERTIFICATE OF ANALYSIS

TRADE NAME	PARYOL 181 SM/R
DESCRIPTION	SESAME OIL - REFINED
INCI NAME (EU)	SESAMUM INDICUM SEED OIL
INCI NAME (US)	SESAMUM INDICUM SEED OIL
CAS NUMBER	8008-74-0
EC NUMBER	232-370-6
PRODUCTION DATE	03/2020
BATCH NUMBER	6011C20/01

	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 ₂ /100g	AOCS Cd 1-25	103.0 – 116.0	115.8
Saponification value	mgKOH/g	AOCS Cd 3-25	185.0 – 200.0	195.6
Peroxide value*	meqO ₂ /kg	AOCS Cd 8-53	≤ 2.0	0.4
Colour	Yellow/Red	Lovibond cell 5"¼	≤ 40Y/4.0R	4.1Y/0.5R
Unsaponifiable matter	%	AOCS Ca 6b-53	≤ 1.0	Conform
Density at 20°C	g/cc	ASTM D1298-85	0.900 – 0.930	0.920
Cloud point	°C	AOCS Cc 6-25	≤ -10	Conform
Pour point	°C	ASTM D97-87	≤ -15	Conform

*Guaranteed at drumming

Fatty acids composition %(GLC):

Myristic acid	C14:0	≤ 0.1	Tr.
Palmitic acid	C16:0	6.0 – 15.0	6.80
Palmitoleic acid	C16:1	≤ 0.5	0.12
Margaric acid	C17:0	≤ 0.1	Tr.
Margaroleic acid	C17:1	≤ 0.1	Tr.
Stearic acid	C18:0	3.0 – 6.0	3.50
Oleic acid	C18:1	40.0 – 50.0	41.40
Linoleic acid	C18:2	30.0 – 55.0	47.29
Alpha-Linolenic acid	C18:3	≤ 0.5	0.10
Arachidic acid	C20:0	≤ 0.5	0.21
Eicosenoic acid	C20:1	≤ 0.5	0.14
Behenic acid	C22:0	≤ 0.5	0.43
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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