

## CERTIFICATE OF ANALYSIS

<b>CLIENT</b>	<b>COSMOCHEM</b>
<b>TRADE NAME</b>	<b>PARYOL 181 SM/R</b>
<b>CHEMICAL NAME</b>	<b>SESAME OIL - REFINED</b>
<b>INCI NAME (EU)</b>	<b>SESAMUM INDICUM SEED OIL</b>
<b>INCI NAME (US)</b>	<b>SESAMUM INDICUM SEED OIL</b>
<b>CAS NUMBER</b>	<b>8008-74-0</b>
<b>EINECS NUMBER</b>	<b>232-370-6</b>
<b>PRODUCTION DATE</b>	<b>03/2020</b>
<b>BATCH NUMBER</b>	<b>6011C20/01</b>

	U.M.	Test methods	Range	Analitical 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	103.0 – 116.0	115.8
Saponification value	mgKOH/g	AOCS Cd 3-25	185.0 – 200.0	195.6
Peroxide value*	meqO <sub>2</sub> /Kg	AOCS Cd 8-53	≤2.0	0.4
Colour	Yellow/Red	Lovibond cell 5'' ¼	≤40.0Y/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 & Lower	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: 18 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.