



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

www.fratelliparodi.it



Rev.01

04/2012

## TECHNICAL DATA SHEET

**TRADE NAME**  
**CHEMICAL NAME**  
**INCI NAME**  
**CAS NUMBER**  
**EINECS NUMBER**

**PARYOL 046 RC/FU**  
**REFINED CASTOR OIL COLD PRESSED PH.EU.**  
**RICINUS COMMUNIS (CASTOR) SEED OIL**  
**8001-79-4**  
**232-293-8**

	U.M.	Test methods	Range
Physical status at 25C°		Visual	Liquid
Acid value	mgKOH/g	Ph. Eu. 2.5.1	≤ 2.0
Free Fatty Acid	mgKOH/g	Ph. Eu. 2.5.2	≤ 1.0
Iodine value	gI <sub>2</sub> /100	Ph. Eu. 2.5.4	82.0 – 90.0
Saponification value	mgKOH/g	Ph. Eu. 2.5.6	176.0 – 186.0
Peroxide value*	meq O <sub>2</sub> /Kg	Ph. Eu. 2.5.5	≤ 10.0
Unsaponifiable matter	%	Ph. Eu. 2.5.7	≤ 0.8
Density at 20C°	g/cc	Ph. Eu. 2.2.5	0.958 – 0.969
Refractive index		Ph. Eu. 2.2.6	1.477 – 1.481
Hydroxyl value	mgKOH/g	Ph. Eu. 2.4.22	> 150
Moisture	%	Ph. Eu. 2.5.12	≤ 0.30
Light absorbance 269 nm		Ph. Eu. 2.5.25	0.5
Optical Rotation		Ph. Eu. 2.2.7	+ 3.5 - +6.0

\*Guaranteed at drumming

### Fatty acids composition %(GLC):

Palmitic acid	C16:0	≤ 2.0
Stearic acid	C18:0	≤ 2.5
Oleic acid	C18:1	2.5 – 6.0
Ricinoleic acid	C18:1 OH	85.0 – 92.0
Linoleic acid	C18:2	2.5 – 7
Alpha-Linolenic acid	C18:3	≤ 1.0
Eicosenoic acid	C20:1	≤ 1.0
Others		≤ 1.0

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.