

TECHNICAL DATA SHEET

TRADE NAME	PARYOL 008 RC/R - PH. EUR.
DESCRIPTION	CASTOR OIL REFINED PH. EUR.
INCI NAME (EU)	RICINUS COMMUNIS SEED OIL
INCI NAME (US)	RICINUS COMMUNIS (CASTOR) SEED OIL
CAS NUMBER	8001-79-4
EC NUMBER	232-293-8

	U.M.	Test methods	Range
Physical status at 25°C		Visual	Liquid
Acid value	mgKOH/g	Ph. Eu. 2.5.1	≤ 0.8
Free Fatty Acid	%	Ph. Eu. 2.5.2	≤ 0.4
Iodine value	gI ₂ /100g	Ph. Eu. 2.5.4	82.0 – 90.0
Saponification value	mgKOH/g	Ph. Eu. 2.5.6	176.0 – 186.0
Peroxide value*	meqO ₂ /kg	Ph. Eu. 2.5.5	≤ 5.0
Colour	Gardner	AOCS Td 1a-64	≤ 1.8
Unsaponifiable matter	%	Ph. Eu. 2.5.7	≤ 0.8
Density at 20°C	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	> 160
Moisture	%	Ph. Eu. 2.5.12	≤ 0.30
Light absorbance 270 nm		Ph. Eu. 2.5.25	0.5 – 1.5
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 – 7.0
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.