
SPECIFICATION

CASTOR OIL, EP

Code: C5 105
CAS: [8001-79-4]
EINECS: 232-293-8

	Specification	Unit
Appearance	clear at 40°C, slightly yellow, viscous, hygroscopic liquid	/
Acid value	< 1,5	mg KOH/g
Peroxide value	< 10	meq O ₂ /kg
Hydroxyl value	> 160	mg KOH/g
Unsaponifiable matter	< 0,8	
Optical rotation	+3,5 - +6,0	°
Water	< 0,3	%
Absorbance (at 270 nm)	< 0,7	/
Fatty acid composition		
C16:0 palmitic acid	< 2	%
C18:0 stearic acid	< 2,5	%
C18:1 oleic acid	2,5 - 6	%
C18:2 linoleic acid	2,5 - 7	%
C18:3 linolenic acid	< 1	%
C20:1 Eicosenoic acid	< 1	%
C18'-OH ricinoleic acid	85 - 92	%
other fatty acids	< 1	%
Solubility	slightly soluble in light petroleum, miscible with ethanol (96%) and with glacial acetic acid	/
Specific gravity (20°C)	958	kg/m ³
Refractive index (20°C)	1,479	/
