

Castor Oil – CP (Cold Pressed Grade)

Technical Specifications

No.	Parameter	Specification
1.	Appearance	Clear Pale Yellow Liquid
2.	Odour	Characteristic Mild Odour
3.	Refractive Index (40°C)	1.4780 – 1.4800
4.	Relative Density (30°C)	0.957 – 0.965
5.	Iodine Value	82 – 90 g I ₂ /100g
6.	Free Fatty Acid	Max. 1.00 %
7.	Acid Value	Max. 2.00 mg KOH/g
8.	Moisture, Insoluble & Volatile Matter	Max. 0.20 %
9.	Hydroxyl Value	160 – 168 mg KOH/g
10.	Unsaponifiable Matter	Max. 1.00 %
11.	Saponification Value	176 – 187 mg KOH/g
12.	Colour (Lovibond 5¼")	R 2.0 Max / Y 20 Max
13.	Acetyl Value	140 – 150 mg KOH/g
14.	Peroxide Value	Max. 2.0 meq/kg
15.	Light Absorption @ 270 nm	Max. 0.50
16.	Optical Rotation	+3° to +5°

Typical Properties

No.	Property	Typical Value
1.	Ricinoleic Acid Content	Min. 85%
2.	Molecular Weight	Approx. 298 g/mol
3.	Flash Point	Min. 229°C
4.	Boiling Point	>313°C
5.	Pour Point	-12°C to -18°C