

Castor Oil (Commercial Grade)

Technical Specifications

No.	Parameter	Specification
1.	Appearance	Clear to Pale Yellow Viscous Liquid
2.	Odour	Characteristic
3.	Moisture Insoluble & Volatile Matter	Max. 0.50 %
4.	Acid Value	Max. 4.00 mg KOH/g
5.	Saponification Value	176 – 187 mg KOH/g
6.	Iodine Value	82 – 90 g I ₂ /100g
7.	Hydroxyl Value	155 – 170 mg KOH/g
8.	Specific Gravity (25°C)	0.955 – 0.970
9.	Refractive Index (25°C)	1.476 – 1.480
10.	Unsaponifiable Matter	Max. 1.50 %
11.	Colour (Lovibond 5¼")	Y 30 Max
12.	Ricinoleic Acid Content	Min. 82 %

Typical Properties

No.	Property	Typical Value
1.	Molecular Weight	Approx. 298 g/mol
2.	Flash Point	Min. 229°C
3.	Solubility	Soluble in Alcohol, Insoluble in Water
4.	Pour Point	-12°C to -18°C
5.	Odour	Characteristic