

Castor Oil – IP (Indian Pharmacopoeia)

Technical Specifications

No.	Parameter	Specification
1.	Appearance	Brilliantly Clear, Pale Yellow Liquid
2.	Odour	Faint, Mild Characteristic
3.	Free Fatty Acid	Max 0.50 %
4.	Acid Value	Max 1.00 mg KOH/g
5.	Iodine Value	82 – 90 g I ₂ /100 g
6.	Hydroxyl Value	160 – 168 mg KOH/g
7.	Unsaponifiable Matter	Max 1.00 %
8.	Saponification Value	176 – 187 mg KOH/g
9.	Refractive Index (25°C)	1.4760 – 1.4790
10.	Relative Density (25°C)	0.957 – 0.969
11.	Ricinoleic Acid	Min 85.0 %
12.	Moisture, Insoluble & Volatile Matter	Max 0.10 %
13.	Colour (Gardner)	Max 1.0
14.	Peroxide Value	Max 1.0 meq/kg
15.	Viscosity (25°C)	900 – 1100 cSt
16.	Heavy Metals	Max 5 ppm
17.	Pharmacopoeial Compliance	IP Complies