

Castor Oil – FSG (First Special Grade)

Technical Specifications

No.	Parameter	Specification
1.	Appearance	Clear, Pale Yellow Viscous Liquid
2.	Viscosity (Gardner at 25°C)	U-V
3.	Moisture Insoluble & Volatile Matter	Max 0.10 %
4.	Acid Value	Max 2.00 mg KOH/g
5.	Hydroxyl Value	160 – 168 mg KOH/g
6.	Iodine Value	82 – 90 g I ₂ /100 g
7.	Saponification Value	176 – 187 mg KOH/g
8.	Unsaponifiable Matter	Max 1.00 %
9.	Acetyl Value	140 – 150 mg KOH/g
10.	Free Fatty Acid	Max 1.00 %
11.	Refractive Index (25°C)	1.4760 – 1.4790
12.	Relative Density (20°C)	0.957 – 0.969
13.	Optical Rotation	+3° to +5°
14.	Colour (Lovibond 5¼ Cell)	R 2.0 Max / Y 20 Max

Typical Properties

No.	Property	Typical Value
1.	Appearance	Min 85%
2.	Free Fatty Acid	Min 229°C
3.	Acid Value	Soluble in Alcohol, Insoluble in Water
4.	Iodine Value	Mild Characteristic