

## CERTIFICATE OF ANALYSIS - Castor Oil Usp Grade

Appearance	Brilliantly clear & free from Suspended matter
M.I.V.	0.25% max.
F.F.A. (As Oleic)	0.75% max.
Acid Value	2.0 max.
R.I @ 40 deg C	1.470 – 1.481
Relative Density @ 30 deg C	0.957 – 0.967 gm/ml
Saponification Value	177 - 185
Unsaponifiable Matter	0.50 % Max.
Hydroxyl Value	160 - 168
Iodine Value	82- 90
Heavy Metal	0.001 %
Colour in 5.25" Cell	20 Y 2 R Max.
Optical Rotation	+3.0° – + 6.0°
Absorption ( 268 – 270nm)	Max. 1.75 (1% Solution W/V in 96% ethanol)