

SPECIFICATION SHEET OF PPG CASTOR OIL

| Sr.No. | Specification/Characteristics | Test Method | Parameters |
|--------|---|-----------------|------------------------------|
| 1. | Free Fatt Acid (m KOH/ m (as Ricinoleic) | Aocs 13e.92 | 1.0% Max. |
| 2. | Acid Value % (mgKOH/gm | Aocs CaSa-40 | 2.0% Max. |
| 3. | Moisture & Volatiles % | Aocs Ca 2e - 25 | 0.25% Max |
| 4. | Colour on Lovilond 1" Cell (Y+5R) 5 1/4" Cell (Y+5R) Colour Gardner Iodine Colour | Aocs cc 13E -92 | 10.0 Yellow, 1.0 Red Max. |
| 5. | Iodine Value (By Wiss, gl 2/100g) | Aocs cd 1.25 | 82-90 |
| 6. | Saponification Value mgKOH/gm) | Aocs cd 3.25 | 177-185 |
| 7. | Unsaponifiable Matter | | 0.8% Max. |
| 8. | Hydroxyl Value m KOH/ m | Aocs cd 13-60 | 160 Min. |
| 9. | Density at 30 °C | Aocs IOC-95 | |
| 10. | Specific gravity 15 °C | Aocs Cc-IOG-25 | 0.952-0.965 |
| 11. | Viscosity at 20 °C Pas Viscosity at 25 °C Pas Viscosity Gardner Holdt | | |
| 12. | Refractive Index at 20 °C | Aocs cc 7.25 | 1.477 — 1.481 |
| 13. | Peroxide Value | Aocs cd 8.53 | 5.0 Max. |
| 14. | Optical Rotation | | +3.5 ° to +6.0 ° |
| 15. | Solubility | | |
| 16. | Ricinoleic Acid Content | GC | 85% Min. |
| 17. | Insoluble Impurities | Aocs Ca 3a-36 | 0.02% Max. |