



Reviewed By:

Approved By:

| Sr. No. | Specification / Characteristics   | Test Method      | Parameters               |
|---------|---|------------------|--------------------------|
| 1.      | Free Fatty Acid (mgKOH/gm)<br>(As Ricinoleic)   | Aocs 13e.92      | 0.75 % Max               |
| 2.      | Acid Value % (mgKOH/gm)   | Aocs CaSa – 40   | 1.5% Max                 |
| 3.      | Moisture & Volatiles %  | Aocs Ca 2e - 25  | 0.25 % Max               |
| 4.      | Colour on Lovilond<br>1" Cell (Y+5R)<br>5 ¼" Cell (Y+5R)<br>Colour Gardner<br>Iodine Colour | Aocs Cc 13E – 92 | 10.0 Yellow, 1.0 Red Max |
| 5.      | Iodine Value ( By Wiss, gl <sub>2</sub> / 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 mgKOH/gm   | Aocs cd 13-60    | 160 Min.                 |
| 9.      | Density at 30°C   | Aocs 10C – 95    |                          |
| 10.     | Specific gravity 15°C   | Aocs Cc-10G-25   | 0.952 – 0.965            |
| 11.     | Viscosity at 20°C Pas<br>Viscosity at 25°C Pas<br>Viscosity Gardner Holdt                   | -                | U – V                    |
| 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                |