

PRODUCT **Castor Oil Virgin BP2004**

| | |
|-----------------|---|
| CAS number | [8001-79-4] |
| SYNONYMS | Oil of Rycine; |
| DEFINITION | Virgin castor oil is the fatty oil obtained by cold expression from the seeds of Ricinus communis L. A suitable antioxidant may be added. |
| CHARACTERISTICS | A clear , almost colourless or slightly yellow, viscous, hygroscopic liquid, slightly soluble in light petroleum, miscible with alcohol and with glacial acetic acid. It has a refractive index of about 1.479 and a relative density of about 0.958. |

| TEST | SPECIFICATION | |
|-----------------------------------|---|----------------|
| Identification | Complies with BP2004 tests | |
| Optical rotation | +3.5° to +6.0° | |
| Absorbance | Maximum 1.5, determined at the absorption maximum at 269 nm | |
| Acid value | Maximum 2.0 | |
| Hydroxyl value | Minimum 150 | |
| Iodine value | 82 to 90 | |
| Peroxide value | Maximum 10.0 | |
| Unsaponifiable matter | Maximum 0.8% | |
| Water | Maximum 0.3% | |
| Composition of fatty acids | palmitic acid | Maximum 2.0% |
| | stearic acid | Maximum 2.5% |
| | oleic acid and isomers | 2.5% to 6.0% |
| | linoleic acid | 2.5% to 7.0% |
| | linolenic acid | Maximum 1.0% |
| | eicosenoic acid | Maximum 1.0% |
| | ricinoleic acid | 85.0% to 92.0% |
| | any other fatty acid | Maximum 1.0% |

ENQUIRY