



Ravago Chemicals UK Ltd.
Unit 1, Fordham House
Newmarket Road, Fordham
Ely, CB7 5LL, UK

T. +44 (0)1638 724912
F. +44 (0)1638 720306
www.uk.ravagochemicals.com
uk.info@ravagochemicals.com



Ravasol

Pharma Grade Castor Oil

Description

Ravasol Pharma Grade Castor Oil is a high purity, virgin grade conforming to pharmacopeia specification.

Applications

Ravasol Pharma Grade Castor Oil is suitable for a wide variety of applications, including:-

- used as substrate in the synthesis of active pharmaceutical ingredients
- excipient in products such as coated tablets and ointment formulations
- cosmetic ingredients, benefitting from its positive skin-conditioning and emollient properties
- emulsifier stabilizer when used in lipsticks, lotions and other personal care formulations
- polyol component in polyurethanes where requirement exists for high purity and low-odour

Properties

| Property | Value |
|--|--|
| Appearance at 25 deg C | Pale yellow liquid, clear and free from suspended matter |
| Odour | Virtually odourless |
| Kinematic Viscosity at 25 deg C (stokes) | 6.3 – 8.9 |
| Optical Rotation | +3.5 deg to + 6.0 deg |
| Acid Value (mg KOH/g) | 1.50 max |
| Extinction Value | 0.5 max |
| Colour on Lovibond Tintometer in 5 ¼ cell | Yellow 10 max Red 1.0 max |
| Light Absorbance at 270nm | 0.7 max |
| Peroxide Value | 10 max |
| Iodine Value (Wijs) (gml ₂ /100g) | 82 - 90 |
| Moisture (Karl Fischer) (%) or (ppm) | 0.30% max |
| Hydroxyl Value (mg KOH/g) | 160 min |
| FFA | 0.35 max |
| Refractive Index at 20 deg C | 1.4770 – 1.4810 |
| Saponification Value (mg KOH/g) | 176 - 178 |
| Specific Gravity at 20 deg C | 0.952 – 0.965 |
| Unsaponifiable Matter (%) | 0.80 max |
| C16:0 Palmitic Acid | 2.0% max |
| C18:0 Stearic Acid | 2.5% max |
| C18:1 Oleic Acid & Isomers | 2.5% to 6.0% |
| C18:2 Linoleic Acid | 2.5% to 7.0% |
| C18:3 Linolenic Acid | 1.0% max |
| C20:1 Eicosenoic Acid | 1.0% max |
| Ricinoleic Acid | 85% to 92% |
| Any other fatty acid | 1% max |

TECHNICAL DATA SHEET



Ravago Chemicals UK Ltd.
Unit 1, Fordham House
Newmarket Road, Fordham
Ely, CB7 5LL, UK

T. +44 (0)1638 724912
F. +44 (0)1638 720306
www.uk.ravagochemicals.com
uk.info@ravagochemicals.com



| | |
|-----------------------|--|
| Safety Classification | Non-hazardous (SDS available upon request) |
|-----------------------|--|

Packaging

- 210 litre UN-standard steel drums at 200kg net
- 1000 litre Intermediate Bulk Containers at 950 kg net
- Other packaging may be available upon request

Shelf Life

When stored / un-opened in the original packaging and protected from direct sun light at 10-30°C the shelf life exceeds 12 months. If customer's storage conditions are not aligned to these parameters, then tests should be carried out to determine the shelf life under alternative and specific storage conditions.