

BPR[®] Castor Oil - FSG

Technical Data Sheet

Chemical Description : Castor Oil – First Special Grade
 Physical Appearance : Pale Yellow, Viscous Clear Liquid
 Registration : CAS No.: 8001-79-4

| Characteristics | Unit | Specification |
|---------------------------------------|------------------|-----------------|
| Colour | Lovibond 1" cell | 2.2Y, 0.3R max. |
| Free Fatty Acid (as oleic) | % | 1.0 max. |
| Acid value | mg KOH/g | 2.0 max. |
| MIV | % | 0.25 max. |
| Iodine value | g I/100 g | 82 – 90 |
| Saponification value | mg KOH/g | 177 – 185 |
| Hydroxyl Value | | 158 – 165 |
| Unsaponifiable Matter | % | 1.0 max. |
| Specific Gravity at 30 ^o C | | 0.954 – 0.960 |
| Refractive Index at 40 ^o C | | 1.470 – 1.474 |

Packing : ISO Tank Containers / 220kg HDPE Drums

Storage: Do not store in carbon steel containers since fatty acids will react & discolor. Inside storage & "first in first out" inventory control is recommended. Storage at temperatures above 30^oC should be avoided. Fatty acids are susceptible to gradual oxidation. This could result in darkening and/or it could have an adverse effect on the solubility of the product in organic solvents or on its compatibility with polymers. Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first.

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