

TECHNICAL DATA SHEET

10192 - CASTOR OIL FIRST SPECIAL GRADE

DESCRIPTION

Castor oil No.1 or FSG (First Special Grade) is obtained from the Ricinus communis seeds and it's composed of more than 85% of ricinoleic acid, characterized by its hydroxyl function.

STANDARD ANALYSIS

TEST	SPECIFICATION	METHOD
*Appearance	Viscous Liquid	OLEOA200
*Odour	Characteristic	OLEOA200
*Acid value, mg KOH/g	Max 2	OLEOA232
*Colour Gardner	Max 4	OLEOA210
*Hydroxyl value, mg KOH/g	Min 160	OLEOA267
*Iodine value, g I ₂ /100 g	82 - 90	OLEOA240
*Saponification value , mg KOH/g	175 - 187	OLEOA305
*Specific Gravity 20°C	0,955 - 0,968	OLEOA330
*Ricinoleic acid (C18:1-OH), %	Min 85	OLEOA322
*Moisture, Impurities & Volatile matter (M.I.V.), %	Max 0,3	OLEOA283
*Refractive Index 20°C	1,477 - 1,481	LAB130

ADDITIONAL INFORMATION

TEST	TYPICAL VALUE	METHOD
Colour Lovibond (Red) 5" 1/4	Max 2	OLEOA210
Colour Lovibond (Yellow) 5" 1/4	Max 20	OLEOA210
Viscosity 20°C, dPa.s	9,5 - 11	OLEOA222
Water content (KF), ppm	Max 2500	OLEOA380

PROPERTIES/APPLICATIONS

It's a natural Polyol.
 Non-drying, high polarity.
 Pale yellowish.
 Highly viscous.
 Completely soluble in alcohol.

Printing inks.
 Raw materials for polyurethane resins (coatings and adhesives).
 Lubricants.
 Plasticizers in alkyd resins.

PACKING

Drums, IBC containers, bulk.

STORAGE

11 - Stored in the original sealed packing at 25°C, the product stays in standard specifications for 24 months. For bulk delivery, the product stored in a closed stainless steel tank (max 25 °C) stays in standard specifications for 12 months taken from date of departure from our plant.

OTHER

Disclaimer: the information contained in this data sheet is the state of our knowledge at the date of revision. The producer will not endorse any responsibility concerning the usage made of the product by the customer.

(*) Test included in the Certificate of Analysis
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