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Castor Oil

Technical Data Sheet (TDS) · **Document issue date: 28.10.2026**

Typical values. This document is not a certificate of analysis (COA). Certificates and COA are available on request for wholesale items after the order ships.

1. Product

Product name	Castor Oil
INCI	Ricinus communis
CAS / EC	CAS 8001-79-4; EC 232-410-2
Country of origin (per product card)	India
Extraction / refining	Cold pressed

2. Organoleptic properties

Appearance	Oily liquid
Colour	Light yellow
Odour	Characteristic

3. Physico-chemical properties (typical values)

Parameter	Typical value
Acid value, mg KOH/g	Max. 2
Peroxide value, meq O2/kg	Max. 5
Iodine value, g I2/100 g	82-88
Saponification value, mg KOH/g	176-184
Unsaponifiable matter, %	Max. 1
Relative density at 20 °C	0.952-0.966
Refractive index at 20 °C	1.477-1.481

4. Fatty acid profile (typical values, % of total fatty acids)

C16:0 Palmitic	1-2%
C18:0 Stearic	0.5-1.5%
C18:1 Oleic	85-92%
C18:2 Linoleic	3-6%

5. Cosmetic applications

Used in cosmetic products for skin and hair care such as creams, lip balms and serums. Soluble in oils, insoluble in water. Typical use level 1-20%.

6. Storage, shelf life, packaging

Storage	Store in a dry cool place, in hermetically closed container, protect from light.
Shelf life	24 months from production date in original closed container (typically); batch expiry date is indicated on the label
Packaging	One document covers all pack sizes of this product. The container depends on pack size (from cosmetic bottles to transport containers) and is stated on the product card.

7. Disclaimer

This information is provided for reference and for raw-material selection in formulations. Actual batch values are stated in the manufacturer's COA. The product is a raw material for cosmetic manufacturing; the manufacturer of the finished product is responsible for its safety and regulatory compliance. A skin sensitivity test is recommended before use.