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Walnut 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	Walnut Oil
INCI	Walnut (Juglans regia) Oil
Country of origin (per product card)	Germany

2. Organoleptic properties

Appearance	Oily liquid
Colour	Light yellow to greenish amber
Odour	Characteristic

3. Physico-chemical properties (typical values)

Parameter	Typical value
Acid value, mg KOH/g	Max. 4.0
Peroxide value, meq O2/kg	Max. 15
Iodine value, g I2/100 g	138-162
Saponification value, mg KOH/g	188-196
Refractive index at 20 °C	1.470-1.480
Relative density at 20 °C	0.910-0.925

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

C16:0 Palmitic	7-10
C18:0 Stearic	2-3
C18:1 Oleic	15-25
C18:2 Linoleic	50-65
C18:3 Linolenic	10-15

5. Cosmetic applications

Used in cosmetic emulsions and oil blends for skin care. Soluble in the fatty phase. Typical use level 5-20%.

6. Storage, shelf life, packaging

Storage	In a cool dark place in tightly closed container
Shelf life	18 months from production date in original closed container (typically); batch expiry date indicated on 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.