

Specification

Item number: 4702

Castor oil

Ph. Eur., extra pure, virgin

CAS No.: 8001-79-4

print date: 01.01.2024

formula:

density: 0,96

molecular weight:

Guarantee analysis

Appearance	clear, colourless to yellowish oil
Identity	complies
Relative density (20 °C)	0,952-0,965
Refractive index (20 °C)	1,477-1,481
Optical rotation	+3,5° to +6,0°
Absorption (270 nm)	≤0,7
Acid value	≤1,5 mg KOH/g
Peroxide value	≤10 meq O ₂ /kg
Unsaponifiable matter	≤0,8 %
Iodine value	82-90 g I ₂ /100 g
Water	≤0,3 %
Hydroxyl value	≥160 mg KOH/g
Foreign oils (Ph.Eur.)	≤1,0 %

GC-fatty acid constituents:

C 16:0 Palmitic acid	≤2,0 %
C 18:0 Stearic acid	≤2,5 %
C 18:1 Oleic acid and isomeres	2,5-6,0 %
C 18:1 Ricinoleic acid	85,0-92,0 %
C 18:2 Linoleic acid	2,5-7,0 %
C 18:3 Linolenic acid	≤1,0 %
C 20:1 Eicosenoic acid	≤1,0 %

Our products are tested for laboratory use only.
The stated information refers to the current status of product quality.
We reserve the right to implement necessary changes.

Dr. R. Niemand
Head of Quality Assurance

S. Lorsee
Head of Quality Management

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