

Identification

C₈H₁₈O
M = 130,23 g/mol
CAS [111-87-5]
EC number: 203-917-6
Taric code: 2905 16 80

**Synonyms**

1-Octanol

Applications

laboratory reagent, synthesis of organic products, perfumery.

Specifications

assay (G.C.).....	min. 99,5 %	cobalt (Co).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	copper (Cu).....	max. 0,02 ppm
density (20°/4°).....	0,824 - 0,826	heavy metals (as Pb).....	max. 0,1 ppm
appearance.....	clear	iron (Fe).....	max. 0,1 ppm
acidity.....	max. 0,0002 meq/g	lead (Pb).....	max. 0,1 ppm
colour (Hazen).....	max. 10	magnesium (Mg).....	max. 0,1 ppm
aldehydes + ketones (as C ₇ H ₁₅ CHO).....	max. 0,01 %	manganese (Mn).....	max. 0,02 ppm
arsenic (As).....	max. 0,1 ppm	nickel (Ni).....	max. 0,02 ppm
cadmium (Cd).....	max. 0,05 ppm	zinc (Zn).....	max. 0,1 ppm
calcium (Ca).....	max. 0,5 ppm	substances darkened by H ₂ SO ₄	passes test
chromium (Cr).....	max. 0,02 ppm	residue on ignition.....	max. 0,02 %
		water (K.F.).....	max. 0,1 %

Physical data

- Density: 0,83 g/cm³
- Solub. in water: (20 °C): non-miscible
- Melting point: -16 °C
- Boiling point: 188 - 198 °C
- Flash point: 81 °C
- Ignition temperature: 270 °C
- Vapour pressure: (20 °C) 0,3 hPa
- Refraction index: (n 20 °C/D) 1,4291
- Expl. limit (lower): 0,8 Vol%

Safety - GHS

Signal Word: Warning

Hazard Statements:

H319: Causes serious eye irritation.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.

P264: Wash thoroughly after handling.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- 10°C - 30°C