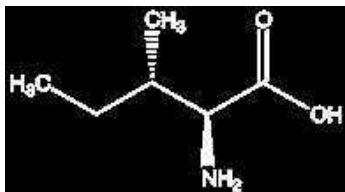


L-ISOLEUCINE

IS0140 L-Isoleucine, extra pure, Pharmapur®, Ph Eur, BP, USP

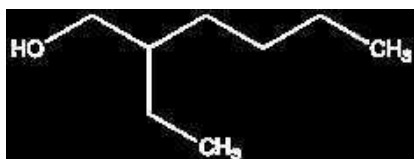


- Synonyms: Ile, 2-Amino-3-methylvaleric acid, (2S,3S)-2-Amino-3-methylpentanoic acid
- $C_6H_{13}NO_2$
- $M = 131,18 \text{ g/mol}$
- CAS [73-32-5]
- EINECS-No.: 200-798-2
- Solub. in water: (20 °C): 32,1 g/l
- Melting point: 279 - 280 °C (decomposes)
- Tariff number: 2922 49 95 90
- Applications: synthesis of organic products, for pharmaceutical use, in food industry.

assay (titr. with $HClO_4$, referred to dried sample) 98,5 - 101,0 %
 identification passes test
 appearance of solution passes test
 specific rotation ($[\alpha]_{20}^D$, $c = 4$, HCl 250g/l, on dried sample) + 40,0° - + 43,0°
 specific rotation ($[\alpha]_{25}^D$; $c=4$, HCl 6N) + 38,9° - + 41,8°
 pH (1 %, H_2O) 5,5 - 7,0
 chlorides (Cl) max. 200 ppm
 sulfates (SO_4) max. 300 ppm
 ammonium (NH_4) max. 0,02 %
 iron (Fe) max. 10 ppm
 ninhydrin-positive substances passes test
 residue on ignition max. 0,3 %
 loss on drying (105 °C, 3 h) max. 0,5 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
IS01400025	25 g	0

ISOCTANOL



- Synonyms: 2-Ethyl-1-hexanol, Isooctyl alcohol
- $C_8H_{18}O$
- $M = 130,23 \text{ g/mol}$
- CAS [104-76-7]
- EINECS-No.: 203-234-3
- Density: 0,83 g/cm^3
- Solub. in water: (20 °C): 1,1 g/l
- Melting point: -76 °C
- Boiling point: 185 °C
- Flash pt. 75 °C
- Ignition temp.: 270 - 330 °C
- Vapour pressure: (20 °C) 0,13 hPa
- Refraction index: (n_{20}^D) 1,4317

- Dielectric const.: (20 °C) 7,7
- LD 50 (oral, rat): 3730 mg/kg
- ADR: Not regulated
- IMDG: Not regulated
- IATA/ICAO: 9 UN 3334
- GHS-signal word: Warning
- GHS-H sentences: H315 - H319
- GHS-P sentences: P280 - P305 + P351 + P338 - P321 - P362 - P332 + P313 - P337 + P313
- Tariff number: 2905 16 85 10
- Applications: analytical chemistry, chromatography, in the textile industry, solvents (manufacture of dyes, resins, oils), antifoaming agent.

ET0205 Isooctanol, EssentQ®



assay (G.C.) min. 99 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,832 - 0,833
 acidity max. 0,002 meq/g
 copper (Cu) max. 0,2 ppm

iron (Fe) max. 0,5 ppm
 lead (Pb) max. 0,2 ppm
 nickel (Ni) max. 0,2 ppm
 water (K.F.) max. 0,15 %

ART. NO.	VOLUME	CONTAINER
ET02051000	1 l	0

IS0162 Isooctanol, HPLC grade



assay (G.C.) min. 99 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,832 - 0,833
 acidity max. 0,002 meq/g
 alkalinity max. 0,001 meq/g
 residue on evaporation max. 0,0003 %
 water (K.F.) max. 0,15 %

min. transmission/max. absorbance in a 1,0 cm cell at wavelength
 T(%) A (AU)
 240 nm40 % 0,398 AU
 260 nm80 % 0,097 AU
 Microfiltered through membranes of pore diameter 0,22 μm

ART. NO.	VOLUME	CONTAINER
IS01622500	2,5 l	0