

Isooctane

Chemical formula: $(\text{CH}_3)_2\text{CHCH}_2\text{C}(\text{CH}_3)_3$

Molar mass: 114,23 g/mol

CAS: 540-84-1

EINECS: 208-759-1

A.G. (17420)

Appearance	clear colourless liquid
Assay	min. 99,5 %
Water	max. 0,005 %
Residue after evaporation	max. 0,001 %
Free acids (as CH_3COOH)	max. 0,001 %
Boiling point	~ 99 °C
Density (20 °C)	0,691 g/cm ³
Refractive index	1,391
Flash point	-12 °C

pure (17410)

Appearance	clear colourless liquid
Assay	min. 99,0 %
Residue after evaporation	max. 0,001 %
Boiling point	~ 99 °C
Density (20 °C)	0,691 g/cm ³
Refractive index	1,391
Flash point	-12 °C

for UV (17440)

Appearance	clear colourless liquid
Assay	min. 99,0 %
Residue after evaporation	max. 0,001 %
Water	max. 0,005 %
Free acids	max. 0,0003 meq/g
Sulfur compounds	max. 0,005 %
Color scale (APHA)	max. 10
Density (20 °C)	0,692 - 0,694 g/cm ³
Refractive index	1,390 - 1,392
Infrared spectrometry	passes test
UV absorption at 210 nm	max. 1,00
UV absorption at 220 nm	max. 0,2
UV absorption at 230 nm	max. 0,1
UV absorption at 240 nm	max. 0,04
UV absorption at 250 nm	max. 0,01
UV absorption at 400 nm	max. 0,01

for HPLC (17430)

Appearance	clear colourless liquid
Assay (GC)	min. 99,0 %
Water	max. 0,02 %
Residue after evaporation	max. 0,0005 %
Free acids (as CH ₃ COOH)	max. 0,001 %
Refractive index	1,391
Density (20 °C)	0,691 g/cm ³
UV absorption at 210 nm	max. 0,8
UV absorption at 235 nm	max. 0,2
UV absorption at 270 nm	max. 0,02

Classification of the substance in accordance with Regulation (EC) No 1272/2008



Hazard statements: 225, 304, 315, 336, 410

EUH statements:

Precautionary statements: 210, 243, 273, 301+310, 331

Signal word: Danger

ADR/RID: 3 /F1 /II

UN 1262