

Technical Datasheet

Article no. 1857

Isooctane p. a., ACS, Ph. Eur.
min. 99.5 % C₈H₁₈

For laboratory use.

Parameter	Value
Appearance	Clear, colourless liquid
Melting point	-107 °C
Boiling point	99 °C
Molar mass	114.23 g/mol
Non-volatile substances	max. 0.001 %
Water	max. 0.01 %
Free acid	max. 0.0005 %
Aluminium (Al)	max. 0.00005 %
Boron (B)	max. 0.000002 %
Barium (Ba)	max. 0.00001 %
Calcium (Ca)	max. 0.00005 %
Cadmium (Cd)	max. 0.000005 %
Cobalt (Co)	max. 0.000002 %
Chromium (Cr)	max. 0.000002 %
Copper (Cu)	max. 0.000002 %
Iron (Fe)	max. 0.00001 %
Magnesium (Mg)	max. 0.00001 %
Manganese (Mn)	max. 0.000002 %
Nickel (Ni)	max. 0.000002 %
Lead (Pb)	max. 0.00001 %
Tin (Sn)	max. 0.00001 %
Zinc (Zn)	max. 0.00001 %
Sulphur (S)	max. 0.005 %
Residue on evaporation	max. 0.001 %

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Parameter	Value
Acidity	max. 0.0003 meq/g
Colour (APHA)	max. 10
Density (20 °C)	0.691 – 0.696
Refractive index (20 °C)	1.391 – 1.393
Distillation range (98 – 100 °C)	min. 95 %
Transmittance (250 – 420 nm)	min. 98 %