

Petroleum ether

Puriss. p.a., ACS Reagent, Reag. ISO, low boiling point hydrogen treated naphtha, bp \geq 90% 40-60°C (\geq 90%)

Synonym(s)

Petroleum benzin

Specifications

Property	Value
boiling range 40-60 °C	Min. 90 %
boiling range	40 - 60 °C
density (D 20/4)	0.640 - 0.655
non-volatile matter	Max. 0.001 %
water (Karl Fischer)	Max. 0.01 %
free acid (as CH ₃ COOH)	Max. 0.002 %
aluminium (Al)	Max. 0.5 ppm
boron (B)	Max. 0.02 ppm
barium (Ba)	Max. 0.1 ppm
bismuth (Bi)	Max. 0.1 ppm
calcium (Ca)	Max. 0.5 ppm
cadmium (Cd)	Max. 0.05 ppm
cobalt (Co)	Max. 0.02 ppm
chromium (Cr)	Max. 0.02 ppm
copper (Cu)	Max. 0.02 ppm
iron (Fe)	Max. 0.1 ppm
potassium (K)	Max. 0.5 ppm
lithium (Li)	Max. 0.1 ppm
magnesium (Mg)	Max. 0.1 ppm
manganese (Mn)	Max. 0.02 ppm
molybdenum (Mo)	Max. 0.1 ppm
sodium (Na)	Max. 0.5 ppm
nickel (Ni)	Max. 0.02 ppm
lead (Pb)	Max. 0.02 ppm
tin (Sn)	Max. 0.1 ppm
strontium (Sr)	Max. 0.1 ppm
zinc (Zn)	Max. 0.1 ppm
benzene (GC)	Max. 0.01 %
iodine value	Max. 0.3
S-compounds (as S)	Max. 0.005 %

Property	Value
APHA	Max. 10

Properties

Property	Value
Autoignition Temperature	Not auto-flammable
Boiling Point/Range	40-60 °C (1.013 hPa)
Certification	ACS Reagent, ISO
Color	Colorless
Density	0.65 g/cm ³ (20 °C)
Flashpoint	-30 °C
Form	Liquid
Grade	ACS Grade
Incompatible Materials	Oxidizing agents
Lower Explosion Limit	1 %(V)
Melting Point/Range	No data available
Partition Coefficient	No data available
Purity Percentage	90.00
Purity Details	>=90.00%
Solubility	Soluble in most organic solvents
Solubility in Water	Practically insoluble
Upper Explosion Limit	7 %(V)
Vapor Pressure	No data available
Viscosity	No data available
pH-Value	Not applicable
Product Line	Puriss. p.a.
Storage Temperature	Ambient

Safety Information

Property	Value
Hazard Class	3
Package Group	II
UN ID	UN3295