

32293

Riedel-de Haën

Hexane

Puriss. p.a., ACS Reagent, Reag. Ph. Eur., ≥99% (GC)

Synonym(s)

n-Hexane

Specifications

Property	Value
assay (GC)	Min. 99 %
boiling range	68 - 69 °C
boiling range 67-69 °C	Min. 95 %
density (D 20/4)	0.658 - 0.662
density (D 20/20)	0.659 - 0.663
refractive index (n 20/D)	1.3745 - 1.3755
non-volatile matter	Max. 0.001 %
water (Karl Fischer)	Max. 0.01 %
free acid (as CH ₃ COOH)	Max. 0.002 %
aluminium (Al)	Max. 0.00005 %
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 %
aromatic substances (as C ₆ H ₆)	Max. 0.01 %
S-compounds (as S)	Max. 0.005 %
thiophene	Max. 0.0001 %
reaction against H ₂ SO ₄	complying
APHA	Max. 10

Properties

Property	Value
Boiling Point/Range	66 - 69 °C(1.013 hPa)
Certification	ACS Reagent, Reag. Ph. Eur.
Color	Colorless
Density	0.660-0.668 g/cm ³ (20 °C)
Flashpoint	7.4 %(V)
Form	Liquid
Grade	ACS Grade
Incompatible Materials	Strong oxidizing agents
Lower Explosion Limit	1.2 %(V)
Melting Point/Range	-95 °C
Partition Coefficient	4.11
Purity Percentage	99.00
Purity Details	>=99.00%
Solubility in Water	Insoluble
Upper Explosion Limit	7.4 %(V)
Vapor Pressure	160 hPa (20 °C)
Viscosity	0.31 mPa.s (20 °C)
pH-Value	Not applicable
Product Line	Puriss. p.a.
Storage Temperature	Ambient

Safety Information

Property	Value
	<ul style="list-style-type: none">• GHS09-Environmental-Environmental• GHS07-Harmful-Harmful
GHS Classification	<ul style="list-style-type: none">• GHS08-Health Hazard-Health Hazard• GHS02-Flammable-Flammable
Hazard Class	3
Package Group	II
UN ID	UN1208