

Toluene

Methylbenzene, Phenylmethane

Danger

H225 H361d H304 H373 H315 H336
P201 P210 P243 P281 P301+P331 P302+P352
P304+P340 P309+P310

CAS 108-88-3

Index 601-021-00-3

EINECS: 203-625-9

UN: 1294

ADR 3,II

Flash Pt: 4 °C

Not to be used as power or heating fuel.

$C_6H_5CH_3$

M.W. 92.14 g/mol

Density: 0.867 g/cm³ (20 °C)

Boiling Pt: 110.6 °C (1013 hPa)

Melting Pt: -95 °C

Storage Temperature: Ambient temperature



Toluene HiPerSolv CHROMANORM® for HPLC

Filtered 0.2 µm filter, packaged under nitrogen

Assay (GC)	Min. 99.8 %
Acidity	Max. 0.0005 meq/g
Alkalinity	Max. 0.0002 meq/g
Evaporation residue	Max. 5 ppm
Water	Max. 0.05 %
Transmittance (300 nm)	Min. 70 %
Transmittance (310 nm)	Min. 80 %
Transmittance (330 nm)	Min. 95 %
Transmittance (350 nm)	Min. 98 %
Conforms to BDH 15295	Passes test

Cat. No.	Pk	Pack type
83625.290	1 l	Glass bottle
83625.320	2,5 l	Glass bottle
83625.400	4 l	Glass bottle

NEW Toluene SPECTRONORM® for spectroscopy

Filtered 0.2 µm filter, packaged under nitrogen

Assay (GC)	Min. 99.8 %
Acidity	Max. 0.0005 meq/g
Residue on evaporation	Max. 0.0005 %
Water	Max. 0.01 %
Transmittance (320 nm)	Min. 90 %
Transmittance (330 nm)	Min. 95 %
Transmittance (340 nm)	Min. 96 %
Transmittance (350 nm)	Min. 98 %

Cat. No.	Pk	Pack type
84708.290	1 l	Glass bottle
84708.320	2,5 l	Glass bottle

Toluene, anhydrous (max. 0.002% H₂O)

Filtered 0.2 µm filter, packaged under nitrogen

Assay (calculated on anhydrous)	Min. 99.8 %
Acidity	Max. 0.0005 meq/g
Residue on evaporation	Max. 0.0005 %
Water (K.F.)	Max. 0.002 %

Cat. No.	Pk	Pack type
83680.230	250 ml	Glass bottle with septum cap

Bottle with a septum cap featuring six separate re-sealable puncture points

Toluene PESTINORM® for pesticide residue analysis

Filtered 0.2 µm filter, packaged under nitrogen

Assay (on anhydrous substance)	Min. 99.7 %
Evaporation residue	Max. 5 ppm
Water	Max. 0.03 %
Pesticide analysis (Ethylparathion/PND)	Max. 10 ng/l
Pesticide analysis (Lindane/ECD)	Max. 5 ng/l

Cat. No.	Pk	Pack type
83664.320	2,5 l	Glass bottle

Toluene AnalR NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent

Appearance	Clear colourless liquid	Assay (on anhydrous substance)	Min. 99.5 %
Carbonisable substances	Passes test	IR Spectrum	P passes test
Substances coloured by H ₂ SO ₄	Passes test ACS/ISO	Acidity or alkalinity	Max. 0.0001 meq/g
Boiling point	109 to 112 °C	Colouration	Max. 10 APHA
Density (20/4)	0.865 to 0.868	Density (20/20)	0.865 to 0.870
n _D 20/D	1.496 to 1.498	Benzene	Max. 50 ppm
Evaporation residue	Max. 10 ppm	Thiophene	Max. 1 ppm
Total S (as SO ₄)	Max. 10 ppm	Water	Max. 0.03 %
Al (Aluminium)	Max. 0.05 ppm	B (Boron)	Max. 0.02 ppm
Ba (Barium)	Max. 0.02 ppm	Ca (Calcium)	Max. 0.2 ppm
Cd (Cadmium)	Max. 0.01 ppm	Co (Cobalt)	Max. 0.01 ppm
Cr (Chromium)	Max. 0.01 ppm	Cu (Copper)	Max. 0.01 ppm
Fe (Iron)	Max. 0.1 ppm	K (Potassium)	Max. 0.1 ppm
Mg (Magnesium)	Max. 0.05 ppm	Mn (Manganese)	Max. 0.01 ppm
Na (Sodium)	Max. 0.5 ppm	Ni (Nickel)	Max. 0.01 ppm
Pb (Lead)	Max. 0.01 ppm	Sn (Tin)	Max. 0.05 ppm
Sr (Strontium)	Max. 0.02 ppm	Zn (Zinc)	Max. 0.01 ppm
Conforms to BDH 10284	Passes test	Conforms to ACS	Passes test
Conforms to Reag. Ph. Eur.	Passes test		

Cat. No.	Pk	Pack type
28676.297	1 l	Glass bottle
28676.322	2,5 l	Glass bottle
28676.366	5 l	Fluorinated plastic bottle
28676.468	25 l	Metal drum
28676.550	200 l	Metal drum

Toluene, anhydrous (max. 0.005% H₂O) AnalR NORMAPUR® analytical reagent

Appearance	Clear colourless liquid	Colour value	Max. 10 APHA
Assay (calculated on anhydrous)	Min. 99.8 %	Residue on evaporation	Max. 0.001 %
Water (K.F.)	Max. 0.005 %	Acidity or alkalinity	Max. 0.0001 meq/g
Benzene	Max. 0.05 %	Thiophene	Max. 0.0001 %
Carbonisable substances	Passes test	Al (Aluminium)	Max. 0.5 ppm
B (Boron)	Max. 0.02 ppm	Ba (Barium)	Max. 0.1 ppm
Ca (Calcium)	Max. 0.5 ppm	Cd (Cadmium)	Max. 0.01 ppm
Co (Cobalt)	Max. 0.02 ppm	Cr (Chromium)	Max. 0.02 ppm
Cu (Copper)	Max. 0.01 ppm	Fe (Iron)	Max. 0.05 ppm
Mg (Magnesium)	Max. 0.1 ppm	Mn (Manganese)	Max. 0.02 ppm
Ni (Nickel)	Max. 0.01 ppm	Pb (Lead)	Max. 0.01 ppm
Sn (Tin)	Max. 0.1 ppm	Zn (Zinc)	Max. 0.01 ppm
Total S (Sulphur)	Max. 10 ppm		

Cat. No.	Pk	Pack type
28681.295	1 l	Glass bottle

Toluene GPR RECTAPUR®

Assay	Min. 99.0 %
Appearance	Clear colourless liquid
IR Spectrum	P passes test
Density (20/4)	0.865 to 0.868
Distillation range	109 to 112 °C
Benzene	Max. 0.02 %
Evaporation residue	Max. 50 ppm
Water	Max. 0.1 %

Cat. No.	Pk	Pack type
28675.465	25 l	Metal drum
28675.556	200 l	Metal drum