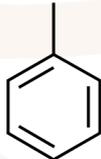


## TOLUENE

### 1. Basic Information

Product Name	Toluene
Structural Formula	
Molecular Formula	C <sub>7</sub> H <sub>8</sub>
CAS No.	108-88-3
EINECS	203-625-9

### 2. Specifications

Parameter	Unit	Method	Specification	
			Min.	Max.
Toluene	%(m)	GC	99	
Benzene	mg/kg	GC		500
Acid Wash Colour	-	ASTM D848		2
Colour	Pt-Co	ASTM D1209		20

### 3. Typical Data

Parameter	Unit	Method	Specification	
			Min.	Max.
Distillation Range @760mmHg (includes 110.6 ± 0.1 °C)	°C	ASTM D850		1
Detectable Sulphur (as H <sub>2</sub> S and SO <sub>2</sub> )	-	ASTM D853	Not detected	
Copper Corrosion (1a,1b)	-	ASTM D849	Pass	
Water	%(m)	ASTM E203		0.02
Density @ 20°C	g/cm <sup>3</sup>	ASTM D4052	0.865	0.870
Acidity	mg NaOH/100mL	ASTM D847	NFA*	
Sulphur	mg/kg	ASTM D7183		40

\*NFA – No Free Acid

## 4. Product Specification

Characteristic	Test Method	Unit	Limit			Note
			Min.	Typ.	Max.	
Appearance at 10°C	Visual	-	Clear, bright and visually free from solid matter and undissolved water at ambient temperature			
Toluene	ASTM D 7504	g/100g	99,9			
Benzene	ASTM D 7504	g/100g			0,0020	
Ethylbenzene	ASTM D 7504	g/100g			0,0200	
Xylene	ASTM D 7504	g/100g			0,0150	
C9+ Aromatics	ASTM D 7504	g/100g	To be reported			
Styrene	ASTM D 7504	g/100g	To be reported			
Nonaromatics	ASTM D 7504	g/100g			0,0200	
Density at 15°C	ASTM D 4052; DIN EN ISO 12185	Kg/m <sup>3</sup>	870	871	872	
Boiling range (incl. 110,6°C)	ASTM D 850; DIN 51761	°C			0,8	
Total nitrogen	ASTM D 7184	mg/kg		<1		1
Total sulphur	ASTM D 7183; EN ISO 20846	mg/kg			1	
Water	DIN EN ISO 12937; DIN 51777	mg/kg			200	
As	Method of evaluation	mg/kg		<1		2
Hg	Method of evaluation	mg/kg		<1		2
Pb	Method of evaluation	mg/kg		<1		2
Cd	Method of evaluation	mg/kg		<1		2
Cr	Method of evaluation	mg/kg		<1		2
Ni	Method of evaluation	mg/kg		<1		2
Copper corrosion 3h/50°C	DIN EN ISO 2160	Class		1		1
Bromine index	ASTM D 5776	mg/100g			100	1