

## 70503 Xylene

Colorless, highly refractive, peculiarly smelling, flammable liquid which burns with a strong sooty flame. Xylene is sparingly soluble in water, readily soluble in alcohol, ether, benzene, gasoline, etc. It is a good solvent for rubber, resins, fats and oils.

Formula:  $C_6H_4(CH_3)_2$

Synonyme: Three isomeric forms exist: ortho-xylene, meta-xylene and para-xylene. Xylene without a more precise designation represents a mixture of the three forms.

Appearance: Water-light, somewhat oily liquid with aromatic (toluene-like) odor. Strongly refractive.

Properties:  
Flammable liquid with highly flammable vapors heavier than air. Ignition by hot surfaces, sparks or open flames.

Health hazards:  
The vapors have a narcotic effect. They may cause damage to the central nervous system. The adverse health effect is increased with simultaneous exposure to alcohol. Contact with the liquid may cause irritation of the skin and mucous membranes and possibly allergic reactions.

Synonyms: Xylene (mixture of isomers), Reaction Mass of Ethylbenzene and Xylene  
Appearance: colorless  
Odor: characteristic  
EINECS: 905-588-0  
REACH Reg. No.: 01-2119488216-32-xxx

### Specification

Properties	Values	Method
Density (15°C)	0.860 – 0.875 g/cm <sup>3</sup>	DIN 51757
Refraction index (20°C)	1.491 – 1.505	DIN 51423
Water content	0.02 %	DIN 51777
C8-Aromatics	min. 97 %	GC
Cumene content	< 0.1 %	GC

### Further Parameter

Properties	Values	Method
Color (Pt/Co)	max. 20	DIN EN ISO 6271
C9-Aromatics	max. 1.20 %	GC
Ethylbenzene	max. 25 %	GC
Benzol	max. 0.01 %	GC
Toluene	max. 0.50 %	GC
Total sulphur	max. 5 ppm	--
Evaporation number (Ether=1)	17	DIN 53170