

# Xylene, mixture of isomers, for analysis, ExpertQ®, ACS, Reag. Ph Eur



- Synonyms: Dimethylbenzene, Xylol
- C<sub>8</sub>H<sub>10</sub>
- M = 106,17 g/mol
- CAS [1330-20-7]
- EINECS-No.: 215-535-7
- Density: 0,86 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 0,2 g/l
- Melting point: > -34 °C
- Boiling point: 137 - 143 °C
- Flash pt. 25 °C
- Ignition temp.: ~ 465 °C
- Vapour pressure: (20 °C) 10 hPa
- Dielectric const.: (25 °C) 2,4
- LD 50 (oral, rat): 2840 mg/kg
- EC-Index-No.: 601-022-00-9 [4]
- ADR: 3 F1 III UN 1307
- IMDG: 3 III UN 1307
- IATA/ICAO: 3 III UN 1307
- GHS-signal word: Danger
- GHS-H sentences: H226 - H304 - H312+H332 - H315 - H319 - H335 - H373 - H412
- GHS-P sentences: P210 - P241 - P303+P361+P353 - P370+P378 - P403+P235 - P501a
- Tariff number: 2902 44 00 00
- Applications: synthesis of organic products, solvents, manufacture of dyes.



## SPECIFICATIONS

total content of C<sub>8</sub>H<sub>10</sub> isomers (G.C.): min. 99 %

density (20°/20°): 0,865 - 0,867

density (20°/4°): 0,863 - 0,865

refractive index n<sub>20</sub>/D: 1,495 - 1,499

appearance: clear

colour (Hazen): max. 10

boiling range (min. 95 %): 137 - 142 °C

acidity: max. 0,00025 meq/q

alkalinity: max. 0,00025 meq/g

aluminium (Al): max. 0,5 ppm

barium (Ba): max. 0,1 ppm

boron (B): max. 0,02 ppm

cadmium (Cd): max. 0,05 ppm

calcium (Ca): max. 0,5 ppm

chromium (Cr): max. 0,02 ppm

cobalt (Co): max. 0,02 ppm

copper (Cu): max. 0,02 ppm

iron (Fe): max. 0,1 ppm

lead (Pb): max. 0,1 ppm

magnesium (Mg): max. 0,1 ppm

manganese (Mn): max. 0,02 ppm

nickel (Ni): max. 0,02 ppm

tin (Sn): max. 0,1 ppm

zinc (Zn): max. 0,1 ppm

benzene (G.C.): max. 0,1 %

ethylbenzene (G.C.): max. 25 %

thiophene (G.C.): max. 0,0001 %

toluene (G.C.): max. 0,4 %

sulphur compounds (as S): max. 0,003 %

substances darkened by H<sub>2</sub>SO<sub>4</sub>: passes test

residue on evaporation: max. 0,0005 %

water (K.F.): max. 0,02 %:

|                                       |  |                          |
|---------------------------------------|--|--------------------------|
| <b>Reference</b><br><b>XI0055025A</b> | <b>Packaging</b><br>x 25 l :: Combi (plastic<br>inside; metal outside) | <b>Volume</b><br>x 25 l  |
| <b>Reference</b><br><b>XI00551000</b> | <b>Packaging</b><br>x 1 l :: Glass bottle                              | <b>Volume</b><br>x 1 l   |
| <b>Reference</b><br><b>XI00552500</b> | <b>Packaging</b><br>x 2,5 l :: Glass bottle                            | <b>Volume</b><br>x 2,5 l |
| <b>Reference</b><br><b>XI0055005L</b> | <b>Packaging</b><br>x 5 l :: Metal drum                                | <b>Volume</b><br>x 5 l   |

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