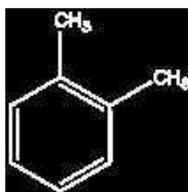


o-XYLENE



- Synonyms: 1,2-Dimethylbenzene
- C_8H_{10}
- $M_r = 106,17$ g/mol
- CAS [95-47-6]
- EINECS-No.: 202-422-2
- Density: 0,88 g/cm³
- Solub. in water: (20 °C): 0,18 g/l
- Melting point: -25 °C
- Boiling point: 144,4 °C
- Flash pt. 30 °C
- Ignition temp.: 465 °C
- Vapour pressure: (20 °C) 6,7 hPa
- Dielectric const.: (30 °C) 2,5

- LD 50 (oral, rat): 3609 mg/kg
- EC-Index-No.: 601-022-00-9 [1]
- ADR: 3 F1 III UN 1307
- IMDG: 3 III UN 1307
- IATA/ICAO: 3 III UN 1307
- GHS-signal word: Warning
- GHS-H sentences: H226 - H312 - H332 - H315
- GHS-P sentences: P210 - P241 - P261 - P303 + P361 + P353 - P321 - P501a
- Tariff number: 2902 41 00 00
- Applications: synthesis of organic products, solvents, manufacture of dyes.

XI0025 o-Xylene, EssentQ®, Reag. Ph Eur



assay (G.C.)min. 99 %
identity (IR-spectrum)passes test
refractive index n₂₀/D 1,504 - 1,507
density (20°/20°) 0,880 - 0,884
acidity max. 0,0003 meq/g
alkalinity max. 0,00025 meq/g
iron (Fe)max. 0,5 ppm
copper (Cu)max. 0,2 ppm

lead (Pb)max. 0,2 ppm
nickel (Ni)max. 0,2 ppm
(m + p)-xylene (G.C.) max. 1 %
thiophene (G.C.)max. 0,0005 %
sulfur compounds (as S)max. 0,003 %
residue on evaporationmax. 0,005 %
water (K.F.)max. 0,03 %

ART. NO.	VOLUME	CONTAINER
XI00251000	1 l	0
XI00252500	2,5 l	0

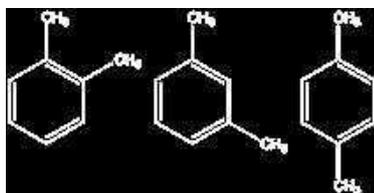
XI0026 o-Xylene, standard substance for GC



assay99,6%
over ramp60°C, 6°C/min 160°C, 20°C/min 220°C
identityIR

ART. NO.	VOLUME	CONTAINER
XI00260005	5 ml	0

XYLENE, MIXTURE OF ISOMERS



- Synonyms: Dimethylbenzene, Xylol
- C_8H_{10}
- $M_r = 106,17$ g/mol
- CAS [1330-20-7]
- EINECS-No.: 215-535-7
- Density: 0,86 g/cm³
- 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: Warning
- GHS-H sentences: H226 - H312 - H332 - H315
- GHS-P sentences: P210 - P241 - P261 - P303 + P361 + P353 - P321 - P501a
- Tariff number: 2902 44 00 00
- Applications: synthesis of organic products, solvents, manufacture of dyes.

XI0051 Xylene, mixture of isomers, EssentQ®



total isomer content (G.C.)min. 98 %
density (20°/4°) 0,863 - 0,865
acidity max. 0,0003 meq/g
alkalinity max. 0,00025 meq/g
copper (Cu)max. 0,2 ppm
iron (Fe)max. 0,5 ppm
lead (Pb)max. 0,2 ppm

nickel (Ni)max. 0,2 ppm
thiophene (G.C.)max. 0,0005 %
substances darkened by H₂SO₄passes test
residue on evaporationmax. 0,001 %
water (K.F.)max. 0,05 %

ART. NO.	VOLUME	CONTAINER
XI00511000	1 l	0
XI00512500	2,5 l	0
XI0051005L	5 l	0
XI0051025A	25 l	0

XI0055 Xylene, mixture of isomers, ExpertQ®, for analysis, ACS, Reag. Ph Eur



total content of C_8H_{10} isomers (G.C.)min. 99 %
density (20°/20°) 0,865 - 0,867
density (20°/4°) 0,863 - 0,865
refractive index n₂₀/D 1,495 - 1,499
appearance clear
colour (Hazen) max. 10
boiling range (min. 95 %) 137 - 142 °C
acidity max. 0,00025 meq/g
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 %
sulfur compounds (as S)max. 0,003 %
substances darkened by H₂SO₄passes test
residue on evaporationmax. 0,0005 %
water (K.F.)max. 0,02 %

ART. NO.	VOLUME	CONTAINER
XI00551000	1 l	0
XI00552500	2,5 l	0
XI0055005L	5 l	0
XI0055025A	25 l	0
XI0055025S	25 l	0
XI0055200L	200 l	0