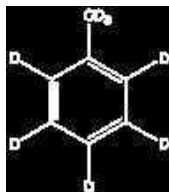


TOLUENE-D8

TO0080 Toluene-d8, deuteration degree min. 99,5%, NMR spectroscopy grade, Spectrosol®

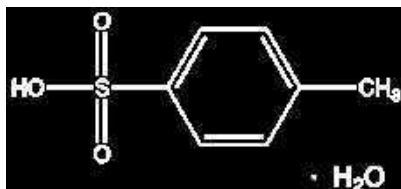


- Synonyms: Methylbenzene deuterated
- C₇D₈
- M = 100,19 g/mol
- CAS [2037-26-5]
- EINECS-No.: 218-009-5
- Density: 0,94 g/cm³
- Solub. in water: (20 °C): non-miscible
- Melting point: -85 °C
- Boiling point: 109 °C
- Flash pt. 4 °C
- Ignition temp.: 535 °C
- LD 50 (oral, rat): 636 mg/kg
- ADR: 3 F1 II UN 1294
- IMDG: 3 II UN 1294
- IATA/ICAO: 3 II UN 1294
- GHS-signal word: Danger
- GHS-H sentences: H225 - H304 - H361d - H373 - H315 - H336
- GHS-P sentences: P210 - P241 - P260 - P303 + P361 + P353 - P405 - P501a
- Tariff number: 2845 90 10 00
- Applications: for nuclear magnetic resonance spectroscopy.

deuteration degree min. 99,5 %
water (K.F., H₂O + D₂O) max. 0,02 %
performance test (NMR-spectrum) passes test

ART. NO.	VOLUME	CONTAINER
TO00800010	10 ml	Ⓜ

TOLUENE-4-SULFONIC ACID MONOHYDRATE



- Synonyms: PTSA monohydrate, 4-Methylbenzene-sulfonic acid, PASAM, p-Toluenesulfonic acid
- C₇H₈O₃S·H₂O
- M = 190,22 g/mol
- CAS [6192-52-5]
- EINECS-No.: 203-180-0
- Solub. in water: (20 °C): ~ 750 g/l
- Melting point: 105 °C (anhydrous substance)
- Flash pt. 180 °C
- LD 50 (oral, rat): 2480 mg/kg (anhydrous substance)
- EC-Index-No.: 016-030-00-2

- ADR: 8 C4 III UN 2585
- IMDG: 8 III UN 2585
- IATA/ICAO: 8 III UN 2585
- GHS-signal word: Warning
- GHS-H sentences: H315 - H319 - H335
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2904 10 00 90
- Applications: analytical chemistry, laboratory reagent, synthesis of organic products.

AC3120 Toluene-4-sulfonic acid monohydrate, EssentQ®



assay (acidimetric, on dried sample) min. 98 %
identity (IR-spectrum) passes test
residue on ignition max. 0,2 %
water (K.F.) 9,5 - 12 %

ART. NO.	VOLUME	CONTAINER
AC31200250	250 g	Ⓜ
AC31201000	1 kg	Ⓜ

ART. NO.	VOLUME	CONTAINER
AC3120005P	5 kg	Ⓜ

AC3123 Toluene-4-sulfonic acid monohydrate, ExpertQ®, for analysis



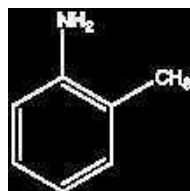
assay (acidimetric, on dried sample) min. 99 %
identity (IR-spectrum) passes test
TLC test passes test
sulfates (SO₄) max. 0,3 %

heavy metals (as Pb) max. 0,001 %
iron (Fe) max. 0,01 %
residue on ignition max. 0,1 %
water (K.F.) 9,0 - 13,0 %

ART. NO.	VOLUME	CONTAINER
AC31230250	250 g	Ⓜ

o-TOLUIDINE

TO0120 o-Toluidine, EssentQ®



- Synonyms: 2-Aminotoluene, 2-Methylaniline
- C₇H₉N
- M = 107,16 g/mol
- CAS [95-53-4]
- EINECS-No.: 202-429-0
- Density: 0,99 g/cm³
- Solub. in water: (20 °C): 15 g/l
- Melting point: < -15 °C
- Boiling point: 200 °C
- Flash pt. 85 °C
- Ignition temp.: 480 °C
- Vapour pressure: (20 °C) 0,18 hPa
- LD 50 (oral, rat): 670 mg/kg
- EC-Index-No.: 612-091-00-X
- ADR: 6.1 T1 II UN 1708
- IMDG: 6.1 II UN 1708
- IATA/ICAO: 6.1 II UN 1708
- GHS-signal word: Danger
- GHS-H sentences: H301 - H331 - H350 - H400 - H319
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2921 43 00 90
- Applications: laboratory reagent, synthesis of organic products, manufacture of dyes, in the textile industry.

assay (G.C.) min. 99 %
identity (IR-spectrum) passes test
density (20°/4°) 0,998 - 1,000
residue on ignition max. 0,01 %
water (K.F.) max. 0,2 %

ART. NO.	VOLUME	CONTAINER
TO01201000	1 l	Ⓜ