

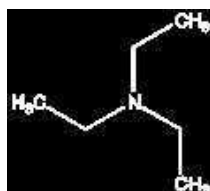
TR0202 Triethanolamine, extra pure, Pharmpur®, Ph Eur, NF

assay (acidimetric, on dried sample)99,0 -103,0 %
 identificationpasses test
 density (25°/25°)1,120 - 1,128
 n_D 20°/D1,481 - 1,486
 appearance of solutionpasses test
 related substancespasses test
 impurity Cmax. 24 ppb

residue on ignitionmax. 0,05 %
 water (K.F.)max. 0,5 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
TR02021000	1 l	0
TR0202025P	25 l	0

TRIETHYLAMINE



- Synonyms: N,N-Diethylethanamine
- C₆H₁₅N
- M = 101,19 g/mol
- CAS [121-44-8]
- EINECS-No.: 204-469-4
- Density: 0,73 g/cm³
- Solub. in water: (20 °C): 133 g/l
- Melting point: -115 °C
- Boiling point: 90 °C
- Flash pt. -11 °C
- Ignition temp.: 215 °C
- Vapour pressure: (20 °C) 69 hPa
- LD 50 (oral, rat): 460 mg/kg

- EC-Index-No.: 612-004-00-5
- ADR: 3 FC II UN 1296
- IMDG: 3 II UN 1296
- IATA/ICAO: 3 II UN 1296
- GHS-signal word: Danger
- GHS-H sentences: H225 - H314 - H302 - H312 - H332
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2921 19 99 90
- Applications: analytical chemistry, laboratory reagent, synthesis of organic products, in the preparation of quaternary ammonium compounds.

TR0215 Triethylamine, EssentQ®



assay (G.C.)min. 99 %
 identity (IR-spectrum)passes test
 density (20°/4°)0,726 - 0,729
 residue on evaporationmax. 0,01 %
 water (K.F.)max. 0,2 %

ART. NO.	VOLUME	CONTAINER
TR02151000	1 l	0
TR02152500	2,5 l	0

ART. NO.	VOLUME	CONTAINER
TR0215005P	5 l	0

TR0216 Triethylamine, ExpertQ®, for analysis, Reag. Ph Eur



assay (G.C.)min. 99,5 %
 identity (IR-spectrum)passes test
 refractive index n_D20/D1,400 - 1,402
 density (20°/20°)0,727 - 0,729
 chlorides (Cl)max. 0,001 %
 sulfates (SO₄)max. 0,001 %
 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

heavy metals (as Pb)max. 1 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
 zinc (Zn)max. 0,1 ppm
 diethylamine (G.C.)max. 0,05 %
 ethanol (G.C.)max. 0,05 %
 residue on evaporationmax. 0,002 %
 water (K.F.)max. 0,1 %

ART. NO.	VOLUME	CONTAINER
TR02160250	250 ml	0
TR02161000	1 l	0
TR02162500	2,5 l	0
TR0216200L	200 l	0

TR0218 Triethylamine, HPLC grade



assay (G.C.)min. 99,7 %
 identity (IR-spectrum)passes test
 density (20°/4°)0,726 - 0,729
 chlorides (Cl)max. 0,001 %
 sulfates (SO₄)max. 0,001 %

heavy metals (as Pb)max. 1 ppm
 iron (Fe)max. 1 ppm
 UV absorbance at 285 nm.max. 0,01 AU
 residue on evaporationmax. 0,001 %
 water (K.F.)max. 0,1 %

ART. NO.	VOLUME	CONTAINER
TR02181000	1 l	0
TR02182500	2,5 l	0

TR0217 Triethylamine, eluent additive for LC-MS



assay (G.C.)min. 99,7 %
 aluminium (Al)max. 0,2 ppm
 barium (Ba)max. 0,1 ppm
 cadmium (Cd)max. 0,05 ppm
 calcium (Ca)max. 0,5 ppm
 chromium (Cr)max. 0,05 ppm
 cobalt (Co)max. 0,05 ppm
 copper (Cu)max. 0,05 ppm
 iron (Fe)max. 0,1 ppm
 lead (Pb)max. 0,1 ppm

lithium (Li)max. 0,1 ppm
 magnesium (Mg)max. 0,1 ppm
 molybdenum (Mo)max. 0,05 ppm
 manganese (Mn)max. 0,05 ppm
 nickel (Ni)max. 0,05 ppm
 potassium (K)max. 0,5 ppm
 sodium (Na)max. 0,5 ppm
 strontium (Sr)max. 0,1 ppm
 zinc (Zn)max. 0,1 ppm
 suitability for use in LC-MSpasses test

ART. NO.	VOLUME	CONTAINER
TR02170050	50 ml	0