

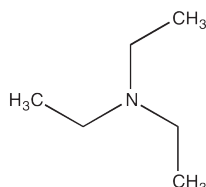
TR0202 Triethanolamine, extra pure, Pharmpur®, Ph Eur, NF

assay (acidimetric, on dried sample)99,0 -103,0 %
identificationpasses test
density (25°/25°)1,120 - 1,128
n_D²⁰1,481 - 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_D²⁰1,400 - 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