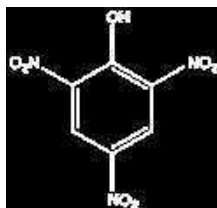


PICRIC ACID



- Synonyms: 2,4,6-Trinitrophenol
- $C_6H_3N_3O_7$
- $M = 229,11$ g/mol
- CAS [88-89-1]
- EINECS-No.: 201-865-9
- Solub. in water: (20 °C): slightly soluble
- Melting point: 121,4 °C
- Flash pt. 150 °C
- Ignition temp.: 300 °C
- LD 50 (oral, rat): 200 mg/kg
- EC-Index-No.: 609-009-00-X

- ADR: 4.1 D I UN 1344
- IMDG: 4.1 I UN 1344
- IATA/ICAO: 4.1 I UN 1344
- GHS-signal word: Danger
- GHS-H sentences: H228 - H301 - H311 - H331 - EUH001
- GHS-P sentences: P301 + P310 - P321 - P330 - P361 + P364 - P405 - P501a
- Tariff number: 2908 99 00 90
- Applications: analytical chemistry, laboratory reagent, chromatography.

AC1769 Picric acid (with approx. 30% H₂O), EssentQ®



assay (acidimetric, on dried sample) min. 98 %
identity (IR-spectrum) passes test
insoluble and resinous matter max. 0,1 %
chlorides (Cl) max. 0,005 %

sulfates (SO₄) max. 0,5 %
residue on ignition max. 0,1 %

ART. NO.	VOLUME	CONTAINER
AC17690250	250 g	0
AC17690500	500 g	0

AC1770 Picric acid (with approx. 30% H₂O), ExpertQ®, for analysis, ACS, Reag. Ph Eur



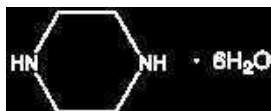
assay (acidimetric, on dried sample) min. 99 %
identity (IR-spectrum) passes test
insoluble in toluene max. 0,1 %
insoluble and resinous matter max. 0,01 %

insoluble in water max. 0,03 %
chlorides (Cl) max. 0,001 %
sulfates (SO₄) max. 0,01 %
residue on ignition max. 0,05 %
water min. 30 %

ART. NO.	VOLUME	CONTAINER
AC17700250	250 g	0
AC17700500	500 g	0

PIPERAZINE HEXAHYDRATE

PI0050 Piperazine hexahydrate, extra pure, Pharmpur®, Ph Eur, BP



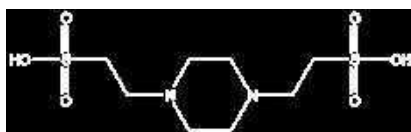
- Synonyms: Diethylenediamine
- $C_4H_{10}N_2 \cdot 6H_2O$
- $M = 194,23$ g/mol
- CAS [142-63-2]
- EINECS-No.: 203-808-3
- Solub. in water: (20 °C): 300 °C
- Melting point: 43 - 45 °C
- Boiling point: ~ 105 °C
- Flash pt. > 80 °C
- Ignition temp.: > 150 °C
- Vapour pressure: (20 °C) 2,6 hPa
- EC-Index-No.: 612-057-00-4
- ADR: 8 C8 III UN 2579
- IMDG: 8 III UN 2579
- IATA/ICAO: 8 III UN 2579
- GHS-signal word: Danger
- GHS-H sentences: H334 - H314 - H317 - H412
- GHS-P sentences: P260 - P285 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2933 59 95 90
- Applications: analytical chemistry, laboratory reagent, synthesis of organic products, in the pharmaceuticals industry, in pharma industry.

assay (titration with HClO₄) 98,0 - 101,0 %
identification passes test
appearance of solution passes test
pH (5 %, H₂O) 10,5 - 12,0
related substances passes test
residue on ignition max. 0,1 %
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
PI00500500	500 g	0

PIPES FREE ACID

PI0061 PIPES free acid, molecular biology grade



- Synonyms: Piperazine-N,N'-bis(2-ethanesulfonic acid)
- $C_{12}H_{18}N_2O_6S_2$
- $M = 302,36$ g/mol
- CAS [5625-37-6]
- EINECS-No.: 227-057-6
- Solub. in water: (20 °C): slightly soluble
- Tariff number: 2933 59 95 90
- Applications: laboratory reagent, in buffer solutions, in biochemistry.

assay (acidimetric) min. 99 %
identity (IR-spectrum) passes test
absorbance of a 0,1 M solution in NaOH
1 M in a 1 cm cell at 260 nm max. 0,05 AU
absorbance of a 0,1 M solution in NaOH
1 M in a 1 cm cell at 280 nm max. 0,05 AU
heavy metals (as Pb) max. 0,001 %
DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
PI00610025	25 g	0