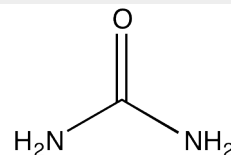


Identification

CH₄N₂O
M = 60,06 g/mol
CAS [57-13-6]
EC number: 200-315-5
Taric code: 3102 10 10


Synonyms

Carbamide, Carbonyldiamide

Applications

laboratory reagent, in biochemistry, in fertilizer compositions, manufacturing of synthetic resins, in the plastics industry, for reversible denaturation of proteins.

Specifications

assay (DSC).....	min. 99,5 %	cyanides (CN).....	max. 0,000001 %
identity (IR-spectrum).....	passes test	sulfates (SO ₄).....	max. 0,001 %
appearance.....	passes test	ammonium (NH ₄).....	max. 0,00001 %
appearance of solution.....	passes test	heavy metals (as Pb).....	max. 4 ppm
absorbance of an aqueous solution 8 M in a 1 cm cell at 260 nm		iron (Fe).....	max. 0,2 ppm
max. 0,1 AU		biuret.....	max. 0,05 %
absorbance of an aqueous solution 8 M in a 1 cm cell at 280 nm		residue on ignition (800 °C).....	max. 0,01 %
max. 0,1 AU		DNases, RNases, Proteases	non detected
chlorides (Cl).....	max. 0,0005 %		

Physical data

- Spec. Density: 1,34 g/cm³
- Bulk density: ~ 750 kg/m³
- Solub. in water: (20 °C): 590 g/l
- Melting point: 132,5 - 134,5 °C
- Vapour pressure: (75 °C) ~ 0,002 hPa
- pH(100 g/l H₂O, 20 °C) ~ 9,5

Transport/storage

- 5°C - 30°C