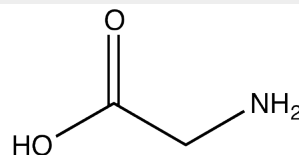


Identification

$C_2H_5NO_2$
M = 75,07 g/mol
CAS [56-40-6]
EC number: 200-272-2
Taric code: 2922 49 85



Synonyms

Aminoacetic acid, Glycocol

Applications

analytical chemistry, in buffer solutions (for electrophoresis), for pharmaceuticals synthesizing, in food industry, in pharma industry.

Specifications

assay (titration with $HClO_4$, on dried sample)	98,5 - 101,0 %	glycine anhydride.....	max. 0,10 %
Identification IR.....	passes test	diglycine.....	max. 0,10 %
Identification TLC.....	passes test	triglycine.....	max. 0,10 %
Identification C (EP).....	passes test	unspecified impurities.....	max. 0,10 %
appearance of solution.....	passes test	total.....	max. 0,2 %
pH (5 %, H_2O).....	5,9 - 6,4	reporting threshold.....	max. 0,05 %
hydrolyzable substances.....	passes test	Related compounds:	
chlorides (Cl).....	max. 70 ppm	glycine anhydride.....	max. 0,1 %
sulfates (SO_4).....	max. 65 ppm	iminodiacetic acid.....	max. 0,1 %
ammonium	max. 0,02 %	diglycine.....	max. 0,1 %
ninhydrin-positive substances:		triglycine.....	max. 0,1 %
any ninhydrin-positive substances.....	max. 0,10 %	hexamethylenetetramine.....	max. 0,1 %
total.....	max. 0,10 %	total impurities.....	max. 0,1 %
Related substances:		residue on ignition.....	max. 0,1 %
		loss on drying (105 °C, 2 h).....	max. 0,2 %

Physical data

- Appearance: crystals, white or almost white
- Spec. Density: 1,595 g/cm³
- Bulk density: ~ 920 kg/m³
- Solub. in water: (20 °C): 225 g/l
- Melting point: 232 - 236 °C (decomposes)
- pH(50 g/l H_2O , 20 °C) 5,9 - 6,4

Transport/storage

- 10°C - 30°C