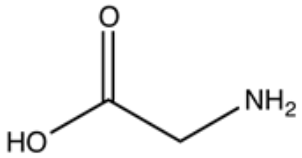
AC0404
Glycine, for analysis, ExpertQ®, ACS, Reag. Ph Eur

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, Glycocoll

Applications

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

Specifications

assay (titration with HClO4)	min. 99,7 %
identity (IR-spectrum)	passes test
insoluble in water	max. 0,003 %
pH (5 %, H2O)	5,9 - 6,3
chlorides (Cl)	max. 0,003 %
sulfates (SO_4)	max. 0,0025 %
ammonium (NH4)	max. 0,005 %
copper (Cu)	max. 1 ppm
heavy metals (as Pb)	max. 0,001 %
iron (Fe)	max. 1 ppm
lead (Pb)	max. 1 ppm
hydrolyzable substances	passes test
other ninhydrin positive substances (as glycine)	max. 0,1 %
other aminoacids	max. 0,1 %
substances darkened by H_2SO_4	passes test
residue on ignition (600 ºC)	max. 0,05 %
water (K.F.)	max. 0,1 %

Physical data

- Appearance: crystals, bright white
- Spec. Density: 1,595 g/cm^3
- Bulk density: ~ 920 kg/m^3
- Solub. in water: (20 ºC): 225 g/l
- Melting point: 232 - 236 ºC (decomposes)
- pH(50 g/l H_2O, 20 ºC) 5,9 - 6,4

Transport/storage

- 10°C - 30°C