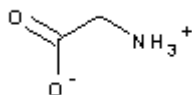
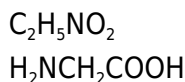


**PRODUCT CODE: 141340****Glycine (USP, BP, Ph. Eur.) pure, pharma grade**

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M.= 75,07

CAS [56-40-6]

EINECS 200-272-2

TARIC 2922 49 85 45

**SYNONYMS:** Aminoacetic Acid, Glycocol**PHYSICAL DATA:** crystalline powder, White, Soluble in water 250 g/l at 20 °C D 1,607 • M.P.: 232 °C • pH(aqueous solution 0.2 M)4 •**BIBLIOGRAPHY:** Merck Index **12**, 4.500 13, 4.504 Sax **GHA000** • Safety **2**, **1786 D** • Beilstein **4**, **333 IV**, **2349** • BRN 635782 • Fieser **1412** • ACS **XI** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •**HAZARDOUS:** RTECS: MB 7600000 • LD50 oral mus 4.920 mg/kg • LD50 oral rat 7.930 mg/kg • LD50 ipr mus 4.450 mg/kg**SPECIFICATIONS:**

Assay (Perchl. Ac.) calc. a.d.s.

99,0-101,0%

Identity :

Identity according to Pharmacopoeias:

passes test

pH of 5% solution

5,9-6,4

**Maximum limit of impurities**

Appearance of solution	passes test
Loss on drying at 105°C	0,2%
Residue on ignition (as SO <sub>4</sub> )	0,1 %
Chloride (Cl)	0,007%
Ammonium (NH <sub>4</sub> )	0,02 %
Sulfate (SO <sub>4</sub> )	0,0065%
Hydrolizable substances	passes test
Residual solvents (Ph.Eur/USP)	passes test
Related Substances (HPLC)	
Glycine anhydride	0,10 %
Diglycine	0,10 %
Triglycine	0,10 %
Every not specified impurity	0,10 %
Total impurities	0,2 %
Ninhydrin positive substances	
Individual	0,10 %
Total	1,0 %
Heavy metals (as Pb)	0,001%

#### Elemental impurities (ICH Q3D):

##### Class 1

Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm

##### Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

##### Class 2B

Tl	1 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

##### Class 3

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm