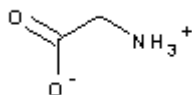
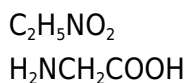


**PRODUCT CODE: 631340****Glycine (Ph. Eur, BP, USP) GMP - IPEC grade**

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.)

98,5 - 101,0 %

Identity :

Identity according to Pharmacopoeias:

Identity (A Ph. Eur / USP)

Identity (B Ph. Eur)

Identity (C Ph. Eur)

IR passes test

passes test

passes test

pH of 5% solution	5,9-6,4
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Maximum limit of impurities

Appearance of solution	
Appearance Transparent < formazin I < 3 NTU	passes test
Appearance Colour	< Y7
Loss on drying at 105°C	0,2%
Residue on ignition (as SO ₄)	0,1 %
Ammonium (NH ₄)	0,02 %
Sulfate (SO ₄)	0,0065%
Residual solvents (Ph.Eur/USP)	passes test
Hydrolizable substances	passes test
Chlorides (Cl)	0,007%
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 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

Ed.: 4 . Vig.: 05.07.2017 .

Prod.: 631340