

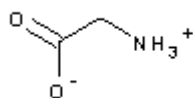


PRODUCT CODE: 131340

Glycine (Reag. USP) for analysis, ACS

$C_2H_5NO_2$

H_2NCH_2COOH



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.**2025** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • 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:

Minimum assay (Perchl. Ac.)	99,0%
Assay (as N2) (Kjeldahl) (calc. a.d.s.)	18,4-18,8%
Identity :	
Identity	IR passes test
pH of 5% solution	5,9-6,3
T.L.C.	passes test
Maximum limit of impurities	
Insoluble matter in H2O	0,005 %

Darkened substances by H ₂ SO ₄	passes test
Loss on drying at 105°C	0,2%
Residue on ignition (as SO ₄)	0,05 %
Chloride (Cl)	0,005%
Ammonium (NH ₄)	0,005%
Sulfate (SO ₄)	0,005%
Hydrolizable substances	passes test
Heavy metals (as Pb)	0,001%
As	0,0001 %
Cu	0,0005 %
Fe	0,0005 %
Ni	0,0005 %
Pb	0,0005 %