

GL0028 Glycerol anhydrous, molecular biology grade

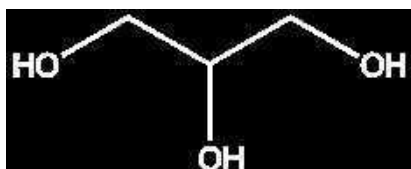
assay (acidimetric, on dried sample) min. 99 %
 identity (IR-spectrum) passes test
 absorbance of an aqueous solution
 0,5 M in a 1 cm cell at 260 nm max. 0,07 AU

absorbance of an aqueous solution
 0,5 M in a 1 cm cell at 280 nm max. 0,02 AU
 heavy metals (as Pb) max. 2 ppm
 DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
GL00280100	100 ml	Ø
GL00281000	1 l	Ø

GLYCEROL, 86 - 88%

GL0023 Glycerol, solution 86 - 88% w/w, ExpertQ®, for analysis, ISO

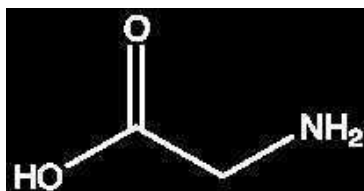


- Synonyms: Glycerin, 1,2,3-Propanetriol
- $C_3H_8O_3$
- $M = 92,10 \text{ g/mol}$
- CAS [56-81-5]
- EINECS-No.: 200-289-5
- Density: $1,23 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Melting point: $17,8 \text{ °C}$
- Boiling point: $> 130 \text{ °C}$
- Flash pt. 160 °C
- Ignition temp.: $\sim 429 \text{ °C}$
- Vapour pressure: (20 °C) $\sim 8 \text{ hPa}$
- Dielectric const.: (20 °C) 42,5
- LD 50 (oral, rat): 12600 mg/kg (pure substance)
- Tariff number: 2905 45 00 00
- Applications: solvents, humectant, plasticizer, in food industry, cosmetics, in antifreeze compositions, in lubricant compositions.

assay (G.C.) 86 - 88 %
 density (20°/4°) 1,221 - 1,231
 identity (IR-spectrum) passes test
 free acid (as CH_3COOH) max. 0,002 %
 free alkali (as NH_3) max. 0,0005 %
 chlorides (Cl) max. 0,0001 %
 sulfates (SO_4) max. 0,0005 %
 ammonium (NH_4) max. 0,0005 %
 arsenic (As) max. 0,5 ppm
 heavy metals (as Pb) max. 1 ppm
 iron (Fe) max. 1 ppm
 aldehydes max. 0,001 %
 fatty acid esters (as
 glycerol tributrate) max. 0,05 %
 other org. matter (as $CH_2=CHCHO$) max. 0,005 %
 glycerolaldehyde max. 0,003 %
 substances darkened by H_2SO_4 passes test
 residue on ignition max. 0,005 %
 water (K.F.) 12 - 14 %

ART. NO.	VOLUME	CONTAINER
GL00231000	1 l	Ø
GL0023005P	5 l	Ⓟ

GLYCINE



- Synonyms: Aminoacetic acid, Glycocol
- $C_2H_5NO_2$
- $M = 75,07 \text{ g/mol}$
- CAS [56-40-6]
- EINECS-No.: 200-272-2
- Solub. in water: (20 °C): 225 g/l
- Melting point: $232 - 236 \text{ °C}$ (decomposes)
- LD 50 (oral, rat): 7930 mg/kg

- Tariff number: 2922 49 85 00
- Applications: analytical chemistry, in buffer solutions (for electrophoresis), for pharmaceutical use, in food industry.

AC0402 Glycine, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (titration with $HClO_4$, on
 dried sample) 98,5 - 101,0 %
 identification passes test
 appearance of solution passes test
 pH (5 %, H_2O) 5,9 - 6,4
 hydrolyzable substances passes test
 chlorides (Cl) max. 75 ppm
 sulfates (SO_4) max. 65 ppm
 ammonium max. 0,02 %

ninhydrin-positive substances passes test
 related substances passes test
 residue on ignition max. 0,1 %
 loss on drying (105 °C) max. 0,2 %
 Elemental impurities are analysed according to guideline
 CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline
 CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
AC04020250	250 g	Ⓟ
AC04021000	1 kg	Ⓟ
AC0402005P	5 kg	Ⓟ
AC0402025P	25 kg	Ⓟ

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

assay (titration with $HClO_4$) min. 99,7 %
 identity (IR-spectrum) passes test
 insoluble in water max. 0,003 %
 pH (5 %, H_2O) 5,9 - 6,3
 chlorides (Cl) max. 0,003 %
 sulfates (SO_4) max. 0,0025 %
 ammonium (NH_4) 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 °C) max. 0,05 %
 water (K.F.) max. 0,1 %

ART. NO.	VOLUME	CONTAINER
AC04040250	250 g	Ⓟ
AC04041000	1 kg	Ⓟ
AC0404005P	5 kg	Ⓟ
AC0404025P	25 kg	Ⓟ