

GLUTARDIALDEHYDE, SOLUTION 25%

GL0170 Glutardialdehyde, solution 25% w/w, EssentQ®

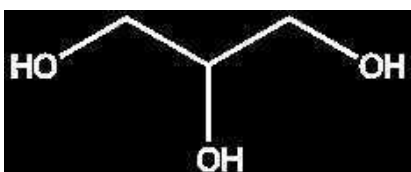


- Synonyms: Pentanedial, Glutaraldehyde, Glutaric dialdehyde
- $C_5H_8O_2$
- $M = 100,12$ g/mol
- CAS [111-30-8]
- EINECS-No.: 203-856-5
- Density: $1,06$ g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -7 °C
- Boiling point: ~ 100 °C
- LD 50 (oral, rat): 134 mg/kg (pure substance)
- EC-Index-No.: 605-022-00-X
- ADR: 6.1 TC1 II UN 2927
- IMDG: 6.1 II UN 2927
- IATA/CAO: 6.1 II UN 2927
- GHS-signal word: Danger
- GHS-H sentences: H334 - H314 - H400 - H302 - H332 - H335 - H317
- GHS-P sentences: P260 - P285 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2912 19 00 00
- Applications: analytical chemistry, in sterilization of endoscopic instruments, cosmetics.
- Appearance: Colourless, clear liquid

assay (method of bisulfite) approx. 25 %
density (20°/4°) 1,060 - 1,065

ART. NO.	VOLUME	CONTAINER
GL01700250	250 ml	0
GL01701000	1 l	0

GLYCEROL



- Synonyms: Glycerin, 1,2,3-Propanetriol
- $C_3H_8O_3$
- $M = 92,10$ g/mol
- CAS [56-81-5]
- EINECS-No.: 200-289-5
- Density: $1,26$ g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 18 °C
- Boiling point: (0,09 hPa) 120 °C

- Flash pt. 160 °C
- Ignition temp.: 400 °C
- Vapour pressure: (20 °C) < 0,001 hPa
- LD 50 (oral, rat): 12600 mg/kg
- Tariff number: 2905 45 00 00
- Applications: analytical chemistry, synthesis of organic products, in explosive compositions, cosmetics, for pharmaceutical use.

GL0026 Glycerol, 99,5%, ExpertQ®, for analysis, ACS, Reag. Ph Eur

assay (G.C.) min. 99,5 %
assay (acidimetric, on dried sample) 98,0 - 101,0 %
identity (IR-spectrum) passes test
refractive index $n_{20/D}$ 1,470 - 1,475
appearance of solution passes test
colour (Hazen) max. 10
acidity or alkalinity passes test
neutrality passes test
acrolein and glucose passes test
aldehydes max. 10 ppm
halogenated compounds (as Cl) max. 30 ppm
chlorides (Cl) max. 0,0005 %
sulfates (SO₄) max. 0,001 %
aluminium (Al) max. 0,5 ppm
barium (Ba) max. 0,1 ppm
boron (B) max. 0,02 ppm
cadmium (Cd) max. 0,05 ppm
calcium (Ca) max. 1 ppm

chromium (Cr) max. 0,02 ppm
cobalt (Co) max. 0,05 ppm
copper (Cu) max. 0,05 ppm
heavy metals (as Pb) max. 2 ppm
iron (Fe) max. 0,1 ppm
lead (Pb) max. 0,1 ppm
magnesium (Mg) max. 1 ppm
manganese (Mn) max. 0,1 ppm
nickel (Ni) max. 0,02 ppm
tin (Sn) max. 0,1 ppm
zinc (Zn) max. 0,1 ppm
fatty acid esters (as butyric acid) max. 0,05 %
esters passes test
sugars passes test
substances darkened by H₂SO₄ passes test
impurity A and related substances passes test
residue on ignition max. 0,005 %
water (K.F.) max. 0,5 %

ART. NO.	VOLUME	CONTAINER
GL00261000	1 l	0
GL00262500	2,5 l	0
GL0026005P	5 l	0

GL0027 Glycerol, 99%, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (acidimetric, on dried sample) 99,0 - 101,0 %
identification passes test
density (25°/25°) min. 1,249
refractive index $n_{20/D}$ 1,470 - 1,475
appearance of solution passes test
colour passes test
acidity or alkalinity passes test
aldehydes max. 10 ppm
halogenated compounds (as Cl) max. 30 ppm
chlorides (Cl) max. 10 ppm
sulfates (SO₄) max. 20 ppm

fatty acids and esters passes test
esters passes test
impurity A and related substances passes test
sugars passes test
residue on ignition max. 0,01 %
water (K.F.) max. 2,0 %
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
GL00271000	1 l	0
GL00272500	2,5 l	0
GL0027005P	5 l	0
GL0027025P	25 l	0
GL0027200P	200 l	0