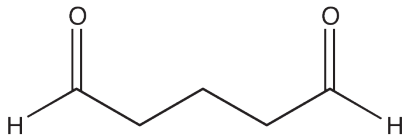
GLUTARDIALDEHYDE, SOLUTION 25%

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

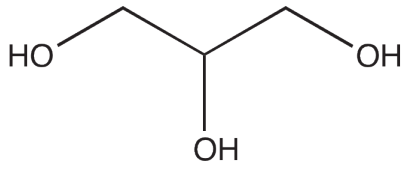


- Synonyms: Pentanedial, Glutaraldehyde, Glutaric dialdehyde
- $C_5H_8O_2$
- M = 100,12 g/mol
- CAS [111-30-8]
- EINECS-No.: 203-856-5
- Density: 1,06 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -7 °C
- Boiling point: ~ 100 °C
- LD 50 (oral, rat): 134 mg/kg (pure substance)
- EC-Index-No.: 605-022-00-X
- ADR: 6.1 TC1 II UN 2927
- IMDG: 6.1 II UN 2927
- IATA/ICAO: 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	
GL01701000	1 l	

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 n20/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 (SO_4) . . . . . 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 H_2SO_4 . . . . . 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	
GL00262500	2,5 l	
GL0026005P	5 l	P

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 n20/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 (SO_4) . . . . . 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	
GL00272500	2,5 l	
GL0027005P	5 l	P
GL0027025P	25 l	P
GL0027200P	200 l	P