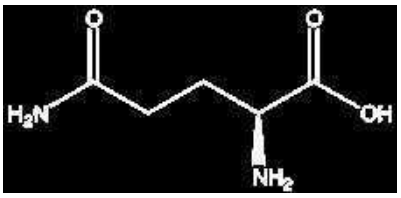
L-GLUTAMINE

GL0165 L-Glutamine, extra pure, Pharmpur®, USP



- Synonyms: L-Glutamic acid-5-amide
- $C_5H_{10}N_2O_3$
- M = 146,15 g/mol
- CAS [56-85-9]
- EINECS-No.: 200-292-1
- Solub. in water: (18 °C): 26 g/l
- Melting point: 185 - 186 °C
- LD 50 (oral, rat): 7500 mg/kg
- Tariff number: 2924 19 00 90
- Applications: in biochemistry, analytical chemistry, for pharmaceutical use, synthesis of organic products, in pharma industry.

assay (titration with $HClO_4$, referred to dried sample). . . . . 98,5 - 101,5 %
identification . . . . . passes test
specific rotation ([α]20°/ D, c = 4, H_2O) . . . . . + 6,3° - + 7,3°
chlorides (Cl). . . . . max. 0,05 %
sulfates (SO_4) . . . . . max. 0,03 %
iron (Fe) . . . . . max. 30 ppm
residue on ignition (as SO_4). . . . . max. 0,3 %
loss on drying (105 °C, 3 h) . . . . . max. 0,3 %
related substances (TLC) . . . . . max. 0,5 %
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
GL01650100	100 g	

GLUTARDIALDEHYDE, SOLUTION 50%

GL0168 Glutardialdehyde, solution 50% 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: 1,13 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -21 °C
- Boiling point: 100,5 °C
- Flash pt. > 100 °C
- Ignition temp.: > 225 °C
- Vapour pressure: (20 °C) 0,27 hPa
- 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: H301 - H331 - H334 - H314 - H400 - H317 - H335
- 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: Clear liquid

assay (method of bisulfite) . . . . . approx. 50 %
density (20°/4°) . . . . . 1,125 - 1,130

ART. NO.	VOLUME	CONTAINER
GL01680250	250 ml	
GL01681000	1 l	

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