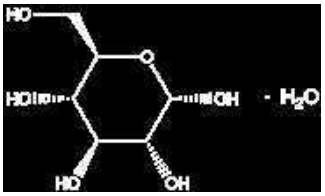
GL0127 D(+)-Glucose anhydrous, ExpertQ®, for analysis, ACS, Reag. Ph Eur

assay (HPLC on dried sample) . . . . . 97,5 - 102,0%
identity (IR-spectrum) . . . . . passes test
appearance of solution . . . . . passes test
specific rotation ([α]25°/D, c = 10, H_2O) + 52,5° - + 53,0°
conductivity (25 °C) . . . . . max. 20 µS/cm
insoluble in water . . . . . max. 0,005 %
acidity. . . . . max. 0,002 meq/g
chlorides (Cl). . . . . max. 0,01 %
sulfates and sulfites (as SO_4). . . . . max. 0,005 %
heavy metals (As Pb). . . . . max. 5 ppm
iron (Fe) . . . . . max. 5 ppm
dextrines . . . . . passes test
starch. . . . . passes test
soluble starch, sulfites . . . . . max. 15 ppm
related substances . . . . . passes test
loss on drying (105 °C) . . . . . max. 0,2 %
residue on ignition . . . . . max. 0,02 %
water (K.F.) . . . . . max. 1,0 %

ART. NO.	VOLUME	CONTAINER
GL01270250	250 g	P
GL01271000	1 kg	P
GL0127005P	5 kg	P

D(+)-GLUCOSE MONOHYDRATE

GL0129 D(+)-Glucose monohydrate, extra pure, Pharmpur®, Ph Eur, BP, USP



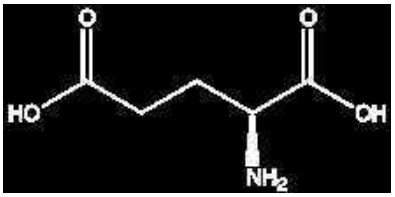
- Synonyms: Dextrose, Blood sugar
- $C_6H_{12}O_6 \cdot H_2O$
- M = 198,17 g/mol
- CAS [14431-43-7]
- EINECS-No.: 200-075-1
- Solub. in water: (20 °C): ~ 470 g/l
- Melting point: ~ 83 °C
- Ignition temp.: ~ 500 °C
- LD 50 (oral, rat): 25800 mg/kg (anhydrous substance)
- Tariff number: 1702 30 51 00
- Applications: synthesis of organic products, in food industry, nutrient media for bacterial culture, for pharmaceutical use, in pharma industry.

assay (HPLC, referred to dried sample) . . . . . 97,5 - 102,0%
identification . . . . . passes test
appearance of solution . . . . . passes test
conductivity (25°C) . . . . . max. 20 µS/cm
related substances . . . . . passes test
dextrines . . . . . passes test
soluble starch, sulfites . . . . . max. 15 ppm
water (K.F.) . . . . . 7,5 - 9,5 %
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
GL01290500	500 g	P
GL01291000	1 kg	P
GL0129005P	5 kg	P
GL0129025P	25 kg	P

L-GLUTAMIC ACID

AC1225 L-Glutamic acid, extra pure, Pharmpur®, Ph Eur, BP



- Synonyms: L-α-Aminoglutaric acid, (S)-2-Aminopentanedioic acid
- $C_5H_9NO_4$
- M = 147,13 g/mol
- CAS [56-86-0]
- EINECS-No.: 200-293-7
- Solub. in water: (25 °C): ~ 11,1 g/l
- Melting point: 160 °C
- LD 50 (oral, rat): > 30000 mg/kg
- Tariff number: 2922 42 00 90
- Applications: in biochemistry, in food industry, in pharma industry.

assay (acidimetric, referred to dried sample) . . . . . 98,5 - 100,5 %
assay (titr. with $HClO_4$, referred to dried sample) . . . . . 98,5 - 101,5 %
identification . . . . . passes test
appearance of solution . . . . . clear and colourless
specific rotation ([α]20°/D, c = 10, HCl 1M, on dried sample)+ 30,5° - + 32,5°
specific rotation ([α]20°/D; c=10, HCl 2N) . . . . . + 31,5° - + 32,5°
chlorides (Cl). . . . . max. 200 ppm
sulfates (SO_4) . . . . . max. 0,02 %
ammonium (NH_4) . . . . . max. 200 ppm
iron (Fe) . . . . . max. 10 ppm
ninhydrin-positive substances. . . . . passes test
residue on ignition . . . . . max. 0,1 %
loss on drying (105 °C) . . . . . max. 0,1 %
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
AC12250250	250 g	P
AC12251000	1 kg	P