



### SPECIFICATION SHEET

Product Name	:	D(+)-Glucose monohydrate, Ph Eur, BP, USP
Product Number	:	927.013
Brand	:	ISOLAB
CAS Number	:	14431-43-7
Formula	:	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> * H <sub>2</sub> O
Formula Weight	:	198.17 g/mol

TEST NAME	SPECIFICATION	UNIT
Assay	97.5 - 102.0 %	%
Identification test (A, B, C)	passes test	
Appearance	Fine white powder	
Appearance in Solution	passes test	
Acidity	≤ 0.3 ml	ml
Conductivity	≤ 20 µS/cm	µS/cm
Specific rotation	52.6 - 53.2 °	deg
Chloride (Cl)	≤ 0.018 %	%
Sulphate (SO <sub>4</sub> )	≤ 0.025 %	%
Heavy Metals (as Pb)	≤ 0.0005 %	%
Pb (lead)	≤ 0.00005 %	%
Ba (Barium)	passes test	
Ca (Calcium)	≤ 0.02 %	%
As (Arsenic)	≤ 0.0001 %	%
Total Aerobic microbial count	≤ 1000 CFU/g	CFU/g
Escherichia Coli	absence in 10 g	
Salmonella	absence in 10 g	
Total yeast and mould count	≤ 100 CFU/g	CFU/g
Related substance; Sum of impurities A (maltose) and B (isomaltose)	≤ 0.4 %	%
Related substance; Impurity C (Maltotriose)	≤ 0.2 %	%
Related substance; Impurity D (Fructose)	≤ 0.15 %	%
Related substance; Unspecified impurities	≤ 0.1 %	%
Related substance; Total of impurities	≤ 0.5 %	%

Quality Management  
Isolab Laborgerate GmbH





### SPECIFICATION SHEET

**Product Name** : D(+)-Glucose monohydrate, Ph Eur, BP, USP  
**Product Number** : 927.013  
**Brand** : ISOLAB  
**CAS Number** : 14431-43-7  
**Formula** :  $C_6H_{12}O_6 \cdot H_2O$   
**Formula Weight** : 198.17 g/mol

TEST NAME	SPECIFICATION	UNIT
Foreign sugars, soluble starch, dextrans	passes test	
Soluble Starch, sulfites (EP)	$\leq 0.0015 \%$	%
Soluble Starch, sulfites (USP)	passes test	
Residue on ignition	$\leq 0.1 \%$	%
Water	7.5 - 9.5 %	%

Quality Management  
Isolab Laborgerate GmbH

