



D(+)**Glucose monohydrate**

Synonyms:

Dextrose monohydrate

**CH₂OHCH(CHOH)₃CH
OH.H₂O**

Classification

Danger

Molecular weight **198.17** ONU

CAS **5996-10-1** Transport hazard
class:

EEC-N: **200-075-1** Packing

D(+)Glucose
monohydrate****

**> ERBApharm - According to pharmacopoeia :
Ph.Eur.-USP-BP-DAB-JP**

Pharmaceutical

Description	White crystalline powder	-
Identifications	Positives	-
Identification IR (USP)	Positive	-
Appearance of solution	Conform*	-
Soluble starch, sulfite	<= 15*	ppm
Dextrin	Conform*	-



**D(+)-Glucose
monohydrate****> ERBapharm - According to pharmacopoeia :
Ph.Eur.-USP-BP-DAB-JP****Pharmaceutical**

Specific optical rotation at 20°C (anh.)	+52.5 to +53.3	?
Sulfated ashes	≤ 0.1*	%
Water (K.F.)	7.5 - 9.5	%
Acidity	Conform*	-
Conductivity at 20°C	≤ 20*	μS/cm
Conductivity at 25°C	≤ 20*	μS/cm
Heavy metals (as Pb)	≤ 4*	ppm
Chloride	≤ 0.018*	%
Sulfate	≤ 0.025*	%
Loss on drying 105°C	≤ 1.0*	%
As	≤ 1*	ppm
Assay (on anhydrous)	97.5 - 102.0	%
Assay (optical rotation dried sub.)(JP)	≥ 99.5	%
Related substances (HPLC)	Conform	-
Maltose and isomaltose	≤ 0.4	%
Maltotriose	≤ 0.2	%
Fructose	≤ 0.15	%
Unspecified	≤ 0.10	%
Total impurities	≤ 0.5	%
Origin (BSE/TSE)	Vegetable	-



D(+) Glucose monohydrate		> ERBApharm - According to pharmacopoeia : Ph.Eur.-USP-BP-DAB-JP		Pharmaceutical
ID		Size	Packaging	
0000000000000346971		1 kg	Plastic bottle	
0000000000000346972		5 kg	Plastic jar	
0000000000000346973		25 kg	Plastic bucket	



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