

Technical Specification

PRODUCT : D(+)-Glucose anhydrous ERBApharm According to pharmacopoeia : Ph.Eur.-USP-FU-BP-DAB-JP

CODE : 346980

MOLECULAR WEIGHT :180,16

CAS N° : 50-99-7

FORMULA : CH₂OHCH(CHOH)₃CHOH

TEST	U.M.	SPECIFICATION
Description	-	White crystalline powder
Identifications	-	Positives
Identification IR (USP)	-	Positive
Appearance of solution	-	Conform*
Soluble starch, sulfite	ppm	<= 15*
Dextrin	-	Conform*
Specific optical rotation at 20°C (anh.)	°	+52.5 to +53.3
Sulfated ashes	%	<= 0.1*
Water (K.F.)	%	<= 1.0
Acidity	-	Conform*
Conductivity at 25°C	µS/cm	<= 20*
Heavy metals (as Pb)	ppm	<= 4*
Chloride	%	<= 0.018*
Sulfate	%	<= 0.024*
Loss on drying 105°C	%	<= 1.0
As	ppm	<= 1*
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

This batch has been released by authorized personnel

* Parameters marked with * are tested periodically

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.
 CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of in