

D-(+)-Glucose anhydrous, Hi-ARTM/ACS

GRM077

Product Identifier

CAS No.	:	50-99-7
EC No.	:	200-075-1
Molecular Formula	:	C ₆ H ₁₂ O ₆
Molecular Weight	:	180.16
Synonym	:	Dextrose anhydrous, Hi-AR TM /ACS
HS Code	:	1702 30 39
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	Colourless to white or almost white crystals or powder or granules or solid
Solubility	:	100 mg soluble 1 mL of water
Clarity	:	10% w/v aqueous solution is clear and colourless
Specific rotation	:	+52.5° to +53.3° (c= Dissolve 10.0 gm of sample in 80 mL of water, add 0.2 mL of 5M ammonia, allow to stand for 30 min. and dilute to 100.0 mL with water)
Insoluble matter	:	<= 0.005%
Titrate acid	:	<= 0.002 meq/g
Chloride (Cl)	:	<= 0.01%
Sulphate & Sulphite (as SO ₄)	:	<= 0.005%
Starch	:	Passes test
Heavy metals (as Pb)	:	<= 0.0005%
Iron (Fe)	:	<= 0.0005%
Water (K.F.)	:	<= 1.0%
Residue after ignition Assay (HPLC, on anhydrous basis)	:	<= 0.02% >= 99.5%

Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	LZ6600000
WGK	:	1