

D-(+)-Glucose anhydrous, For Molecular Biology

MB037

Product Identifier

CAS No.	:	50-99-7
EC No.	:	200-075-1
Molecular Formula	:	C ₆ H ₁₂ O ₆
Molecular Weight	:	180.16
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 in 1 mL of water
DNases	:	None detected
RNases	:	None detected
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%
Titration acid	:	<= 0.002 meq/g
Chloride (Cl)	:	<= 0.01%
Sulfate and sulfite (as SO ₄)	:	<= 0.005%
Starch	:	Passes test
Heavy metals (as Pb)	:	<= 0.0005%
Iron (Fe)	:	<= 0.0005%
Water (K.F.)	:	<= 1.00%
Residue after ignition	:	<= 0.02%
Assay (HPLC, on anhydrous basis)	:	>= 99.5%

Safety Information

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