
D-(+)-Glucose anhydrous, Plant Culture Tested

PCT0603

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	:	Clear solution at 100 mg in 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)
Chloride (Cl)	:	<= 0.0125%
Sulfate (SO ₄)	:	<= 0.02%
Water (K.F.)	:	<= 1.0%
Assay (HPLC, on anhydrous basis)	:	min. 99.5%
Plant Tissue Culture Test	:	Passes

Safety Information

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