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

PCT0612

Product Identifier

CAS No.	:	14431-43-7
EC No.	:	218-914-5
Molecular Formula	:	C ₆ H ₁₂ O ₆ ·H ₂ O
Molecular Weight	:	198.17
Synonym	:	Dextrose monohydrate
HS Code	:	1702 30 39
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	Colourless or white crystals or powder or powder with lumps
Solubility	:	100 mg soluble in 1 mL of water
Specific rotation	:	+52.50° to +53.30° (c= 10% in water + 0.2 ml dilute ammonia and allow to stand for 30 min at 20 °C, on anhydrous basis)
Water (K.F.)	:	7.00 - 9.50%
Assay (HPLC)	:	>= 99.50%
Plant Tissue Culture Test	:	Passes

Safety Information

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