Technical Information

Inositol
Plant Culture Tested

Product Code: PCT1208

Product Information

Product Code	:	PCT1208
Product Name	:	Inositol, Plant Culture Tested
Synonym	:	meso-Inositol; myo-Inositol
Molecular Formula	:	$C_6H_{12}O_6$
Molecular Weight	:	180.16
CAS No.	:	87-89-8

Technical Specification

Appearance	:	White crystals or crystalline powder.
Solubility	:	Soluble in water.
Cultural response	:	Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2ºC), Photoperiod Day: Night in hours (16:8)
Shoot culture	:	No structural deformity observed, actively growing shoots, no toxicity to shoots
Callus culture	:	No necrotic tissues, actively growing callus, no toxicity to callus
Melting range	:	222 - 227°C
Chloride (Cl)	:	<= 0.005%
Heavy metals (as Pb)	:	<= 0.002%
Loss on drying (at 110° C, 4Hr)	:	<= 0.5%
Residue on ignition	:	<= 0.1%
Iron (Fe)	:	<= 0.0005%
Sulphate (SO_4)	:	<= 0.006%
Minimum assay (GC)	:	98.00%

Risk And Safety Information

WGK	:	2
RTECS	:	--
Storage Temperature(°C)	:	Store below 30°C

Transport Information

Marine Pollutant	:	No
ADR/RID	:	Not Dangerous Goods
IMDG	:	Not Dangerous Goods
IATA	:	Not Dangerous Goods

Disclaimer :