HIMEDIA

Product Information

PCT1116 G-418 disulfate salt (Geneticin disulfate), Plant Culture Tested

Product Number		Packing
PCT1116	:	1G
PCT1116	:	5G

Product Information

Product Code	:	PCT1116
Product Name	:	G-418 disulfate salt (Geneticin disulfate), Plant Culture Tested
Synonym	:	Geneticin disulfate; Antibiotic G418
Molecular Formula	:	$C_{20}H_{40}N_4O_{10}.2H_2SO_4$
Molecular Weight	:	692.71
CAS No.	:	108321-42-2
HS Code	:	2941 90 00
Shelf Life	:	3 years

Technical Specification

Appearance	:	White to off white powder
Solubility	:	33.3 mg soluble in 1 mL of 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.
Specific rotation [α 25/D]	:	+105.0° to +120.0° (c = 1% in water)
Water (K.F.)	:	<= 12.00%
Potency	:	>= 500 µg/mg

Risk and Safety Information

WGK	:	3
Storage Temperature(°C)	:	Store at 2 - 8°C

Transport Information

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

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