

Technical Information

Geneticin Disulphate Plant Culture Tested

Product Code: PCT2116

Product Information

Product Code	: PCT2116
Product Name	: Geneticin Disulphate Plant Culture Tested
Synonym	: (G-418 Disulfate Salt)
Molecular Formula	: $C_{20}H_{40}N_4O_{10} \cdot 2H_2SO_4$
Molecular Weight	: 692.71
CAS No.	: 108321-42-2

Technical Specification

Appearance	: White to off white powder.
Solubility	: Soluble in water.
Cultural response	: Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2°C), 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 _D ²⁵] (c = 1% in water)	: +105.0° to +120.0°
Water (K.F.)	: ≤ 12.00%
Potency	: ≥ 500 μg/mg
Plant Culture Tested	: Passes test

Risk and Safety Information

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

Transport Information

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

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at CDH is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.