

Technical Information

Magnesium Sulphate Heptahydrate Plant Culture Tested

Product Code: PCT1008

Product Information

Product Code	: PCT1008
Product Name	: Magnesium Sulphate Heptahydrate, Plant Culture Tested
Synonym	: Epsom salts
Molecular Formula	: $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$
Molecular Weight	: 246.47
CAS No.	: 10034-99-8

Technical Specification

Appearance	: Colourless efflorescent crystals or white crystalline powder
Solubility	: Soluble in water.
pH (5 % in water at 25°C)	: 5.00 - 8.00
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
Insoluble matter	: ≤ 0.005%
Calcium (Ca)	: ≤ 0.01%
Lead (Pb)	: ≤ 0.0005%
Iron (Fe)	: ≤ 0.0002%
Manganese (Mn)	: ≤ 0.0005%
Phosphate (PO_4)	: ≤ 0.001%
Sodium (Na)	: ≤ 0.005%
Zinc (Zn)	: ≤ 0.001%
Potassium (K)	: ≤ 0.005%
Copper (Cu)	: ≤ 0.0005%
Chloride (Cl)	: ≤ 0.0005%
Minimum assay (EDTA Titration)	: 99.50-100.50 %

Risk And Safety Information

WGK	: 1
RTECS	: OM4508000
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



Plant Culture
Tested



Product Specification

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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.
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