

Technical Information

Magnesium Nitrate Hexahydrate Plant Culture Tested

Product Code: PCT1007

Product Information

Product Code	: PCT1007
Product Name	: Magnesium Nitrate Hexahydrate, Plant Culture Tested
Molecular Formula	: $\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight	: 256.41
CAS No.	: 13446-18-9

Technical Specification

Appearance	: Colourless crystals or white deliquescent crystalline powder.
Solubility	: 10% solution in water is clear and colourless.
pH (5% in water at 25° C)	: 5.00 - 8.20
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
Chloride (Cl)	: ≤ 0.001%
Ammonium (NH ₄)	: ≤ 0.003%
Heavy metals (as Pb)	: ≤ 0.0005%
Iron (Fe)	: ≤ 0.0005%
Insoluble matter	: ≤ 0.005%
Strontium (Sr)	: ≤ 0.005%
Sodium (Na)	: ≤ 0.005%
Potassium (K)	: ≤ 0.005%
Barium (Ba)	: ≤ 0.005%
Phosphate (PO ₄)	: ≤ 0.0005%
Manganese (Mn)	: ≤ 0.0005%
Sulfate (SO ₄)	: ≤ 0.005%
Minimum assay (Complexometric)	: 99.00 %

GHS Safety Information

Hazard Statement(s)	: H272
Precautionary Statement(s)	: P220
Signal Word	: Warning
Hazard Pictogram(s)	



GHS03



GHS07

Risk And Safety Information

WGK	: 1
RTECS	: OM3756000
Storage Temperature(°C)	: Store below 30°C

Transport Information

UN No.	: 1474
Class	: 5.1
Packaging Group	: 3
Marine Pollutant	: No
ADR/RID	: 1474 5.1/3
IMDG	: 1474 5.1/3
IATA	: 1474 5.1/3

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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