

CERTIFICATE OF ANALYSIS

Product Description MAGNESIUM NITRATE, HEXAHYDRATE
ACS REAGENT
Product Number M542
Lot Number HGY0542011
Storage Temperature Room Temperature
Molecular Weight 256.41
Formula $Mg(NO_3)_2 \cdot 6H_2O$
CAS Number 13446-18-9

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|------------------------------------------|------------------------------------------------|----------------------------------|
| Solubility | Soluble in Water @ 10 mg/mL | Passes |
| pH | Under Development | 6.6 |
| Physical Appearance Color* Texture | PM-1 to PM-4 Crystalline Powder or crystals | PM-4 White Crystalline Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | For Information Only (Approx. 3 mins) | Passes |
| Insolubles | None | Passes |
| Purity | Minimum 98.0% | 99.40% |

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

Test Concentration: 100.0 mg/L

| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|
| Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants | Ajuja | Passes |
| | Tobacco Callus | Passes |

The material described in this certificate was manufactured in the United States of America and is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Date of Release: 24-September-2021
Recommended Shelf Life Date: September-2029



David S. Hart
Technical Services Manager