

# CERTIFICATE OF ANALYSIS

Product Description      MAGNESIUM NITRATE, HEXAHYDRATE  
ACS REAGENT  
Product Number          M542  
Lot Number                HYX0542012  
Storage Temperature      Room Temperature  
Molecular Weight        256.41  
Formula                    Mg(NO<sub>3</sub>)<sub>2</sub>•6H<sub>2</sub>O  
CAS Number                13446-18-9

## **Physiochemical Specifications:**

| TEST                                     | SPECIFICATION                                  | RESULTS                          |
|--|--|----------------------------------|
| Solubility                               | Soluble in Water @ 10 mg/mL                    | Passes                           |
| pH                                       | Under Development                              | 6.0                              |
| Physical Appearance<br>Color*<br>Texture | PM-1 to PM-4<br>Crystalline Powder or crystals | PM-4 White<br>Crystalline Powder |
| Solution Appearance<br>Clarity<br>Color  | Clear<br>Colorless                             | Clear<br>Colorless               |
| Average Time to Dissolve                 | For Information Only<br>(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 | Perilla Fantasy | 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: 01-March-2022  
Recommended Shelf Life Date: March 2030



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