

# CERTIFICATE OF ANALYSIS

Product Description      MAGNESIUM SULFATE, HEPTAHYDRATE  
                                  ACS REAGENT  
Product Number         M200  
Lot Number             ARR0200030  
Storage Temperature    Room Temperature  
Molecular Weight       246.48  
Formula                 MgSO<sub>4</sub>•7H<sub>2</sub>O  
CAS Number             10034-99-8

## Physiochemical Specifications:

| TEST                                     | SPECIFICATION                                  | RESULTS                              |
|--|--|--------------------------------------|
| Solubility                               | Soluble in Water @ 10 mg/mL                    | Passes                               |
| pH                                       | Under Development                              | 6.6                                  |
| Physical Appearance<br>Color*<br>Texture | PM-1 to PM-4<br>Crystalline Powder to Crystals | PM-1 Off-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. 1 min)        | 1 min                                |
| Insolubles                               | None   | Passes                               |
| Purity                                   | Minimum 98.0%                                  | 100.58%                              |

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

## Biological Testing:

Test Concentration: 200.0 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 | Dianthus, Arctic Fire | Passes  |
|  | Kalanchoe             | Passes  |

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

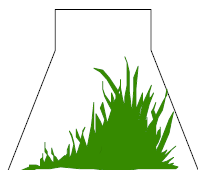
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Date of Release: 12-November-2018

Recommended Shelf Life Date: November 2026



David S. Hart  
Technical Director



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### **PhytoTechnology Laboratories®**

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)  
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)  
Visit our Web Site at <http://www.phytotechlab.com>