

# CERTIFICATE OF ANALYSIS

Product Description      BORIC ACID, CRYSTALLINE  
ACS Reagent  
Product Number          B210  
Lot Number                06A21004  
Storage Temperature     Room Temperature  
Molecular Weight        61.83  
Formula                    H<sub>3</sub>BO<sub>3</sub>  
CAS Number                10043-35-3

## Physicochemical Specifications:

| TEST                                     | SPECIFICATION                                     | RESULTS                              |
|--|---|--------------------------------------|
| Solubility                               | Soluble in Water                                  | Passes                               |
| pH (0.006 g/L)                           | Under Development                                 | 5.84                                 |
| Physical Appearance<br>Color*<br>Texture | RM-1 to RM-3, RM-31<br>Fine to Crystalline Powder | RM-3 Off-White<br>Crystalline Powder |
| Solution Appearance<br>Clarity<br>Color  | Clear<br>Colorless                                | Clear<br>Colorless                   |
| Average Time to Dissolve                 | Within 1 min                                      | Passes                               |
| Insolubles                               | None  | Passes                               |
| Assay                                    | Minimum 99.5%                                     | 100.0%                               |
| Heavy Metals                             | For Information Only                              | 0.0004%                              |

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

## Biological Testing:

Test Concentration: 6.0 mg/L

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

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

**PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories 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.**

Recommended Shelf Life Date: January 2014



Gary Seckinger, Ph.D.



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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>

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