

# CERTIFICATE OF ANALYSIS

Product Description ADENINE HEMISULFATE, 6-AMINOPURINE SULFATE  
Product Number A545  
Lot Number AEK0545061  
Storage Temperature Room Temperature  
Molecular Weight 368.33  
Formula  $(C_5H_5N_5)_2SO_4$   
CAS Number 321-30-2

## Physiochemical Specifications:

| TEST                                    | SPECIFICATION                             | RESULTS            |
|---|---|--------------------|
| Solubility                              | Soluble in Warm Water @ 10 mg/mL          | Passes             |
| pH                                      | Under Development                         | 3.7                |
| Physical Appearance<br>Color*           | PM-1 to PM-4 or<br>2023-70 to 2027-70     | PM-4 White         |
| Texture                                 | Fine to Coarse Powder                     | Fine Powder        |
| Solution Appearance<br>Clarity<br>Color | Clear<br>Colorless                        | Clear<br>Colorless |
| Average Time to Dissolve                | For Information Only<br>(Approx. 40 mins) | Passes             |
| Insolubles                              | None                                      | Passes             |
| FTIR                                    | Conforms to Structure                     | Passes             |
| Purity                                  | Minimum 98.0%                             | 98.40%             |
| Loss on Drying                          | For Information Only                      | 0.7%               |

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

## Biological Testing:

Test Concentration: 80.0 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. | Ajuga           | Passes  |
|   | African Violet  | Passes  |

The material described in this certificate 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: 4-October-2019

Recommended Shelf Life Date: October-2027



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