

CERTIFICATE OF ANALYSIS

Product Description ADENINE HEMISULFATE, 6-AMINOPURINE SULFATE
Product Number A545
Lot Number 15E0545059
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	
Physical Appearance Color*	PM-1 to PM-4 or 2023-70 to 2027-70	PM-1 Off White
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 40 mins)	5 mins
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98.0%	99.86%
Loss on Drying	For Information Only	0.6%

* 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.	Achimenes	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.

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: May 2023



Gary Seckinger, Ph.D.



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Created on 19 June 2015 JN