

CERTIFICATE OF ANALYSIS

Product Description ADENINE HEMISULFATE, DIHYDRATE
6-AMINOPURINE SULFATE
Product Number A545
Lot Number 07K54552
Storage Temperature Room Temperature
Molecular Weight 404.4
Formula $(C_5H_6N_5)_2SO_4 \cdot 2H_2O$
CAS Number 321-30-2

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Warm Water @ 10 mg/ml	Passes
pH	2.5– 4.5	2.66
Physical Appearance Color*	RM-31 (Brilliant White) RM-1 to RM-3 or 2023-70 to 2027-70	RM-31 White
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 40 min	Passes
Precipitation Formation	None	Passes
Purity	>98%	99.46%
Loss on Drying	For Information Only	0.21%

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

Biological Testing:

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	Tobacco callus	Passes
	Torinia	Passes

The material described in this certificate was manufactured in the United States of America and is synthetic in nature. No animal or plant derived components were used in the manufacture of this product.

PhytoTechnology Laboratories, LLC 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: October 2012



Gary Seckinger, Ph.D.



PhytoTechnology
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Dedicated to Growth

PhytoTechnology Laboratories, LLC

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