

# CERTIFICATE OF ANALYSIS

Product Description	ADENINE 6-AMINOPURINE; VITAMIN B <sub>4</sub>
Product Number	A120
Lot Number	03C12001
Storage Temperature	Room Temperature
Molecular Weight	135.13
Formula	C <sub>5</sub> H <sub>5</sub> N <sub>5</sub>
CAS Number	73-24-5

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Soluble in Water
pH (0.080 g/L)	Under Development	5.87
Physical Appearance		
Color*	RM-3 (Decorators White) RM-1 to RM-3 or RM-31	RM-31 (Decorators White)
Texture	Fine Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 30 min	Within 23 min
Precipitation Formation	None	None
Assay	>99%	99.1%
Melting Point	>360° C	>360° C

\* 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 cultures	Boston Fern	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants
	Hosta	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants

The material described in this certificate was manufactured in the United State of America and is of synthetic nature. No animal or plant 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: March 2008

Emily Burdick

Quality Assurance Manager



PhytoTechnology  
Laboratories, LLC  
Dedicated to Growth

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