

# CERTIFICATE OF ANALYSIS

Product Description      ADENINE  
                                    6-AMINOPURINE; VITAMIN B<sub>4</sub>  
Product Number         A120  
Lot Number                08L12002  
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

## Physicochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1N KOH @ 10 mg/mL	Passes
Physical Appearance Color* Texture	RM-1 to RM-3 or RM-31 Fine Powder	RM-31 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 30 min	Passes
Insolubles	None	Passes
Purity by HPLC	Minimum 99.0%	99.1%
Loss on Drying	For Information Only	0.5%
Heavy Metals	For Information Only	≤ 0.001%

\* 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	African Violet	Passes
	Syngonium	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, 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: November 2013



Gary Seckinger, Ph.D.



PhytoTechnology  
Laboratories, LLC  
Dedicated to Growth

### **PhytoTechnology Laboratories, LLC**

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