

# CERTIFICATE OF ANALYSIS

Product Description ADENINE  
6-AMINOPURINE; VITAMIN B<sub>4</sub>  
Product Number A120  
Lot Number ACR0120004  
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 1N KOH @ 10 mg/mL	Passes
Physical Appearance Color* Texture	PM-1 to PM-4 Fine Powder	PM-1 Off-White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 30 min	Passes
Insolubles	None	Passes
Purity	Minimum 99.0%	99.80%
Loss on Drying	For Information Only	0.3%

\* 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
	Ajuga	Passes

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

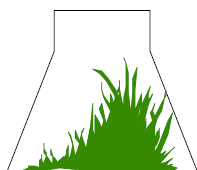
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Date of Release: 16-March-2018

Recommended Shelf Life Date: March 2026



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