

CERTIFICATE OF ANALYSIS

Product Description ADENINE
 6-AMINOPURINE; VITAMIN B₄
Product Number A120
Lot Number HYT0120006
Storage Temperature Room Temperature
Molecular Weight 135.13
Formula C₅H₅N₅
CAS Number 73-24-5

Physicochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1N KOH @ 10 mg/mL	Passes
Physical Appearance		
Color*	PM-1 to PM-4 or 2143-70 to 2152-70	2146-70 Off-White
Texture	Fine Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98.0%	99.20%

* 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
	Xanthi Tobacco Callus	Passes

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

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.

Date of Release: 14-February-2025

Recommended Shelf-Life Date: February 2033

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