

CERTIFICATE OF ANALYSIS

Product Description Adenine Hemisulfate
Product Number A 545
Lot Number 03A54542
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 Water	Complies
pH (0.08 g/L)	3.0-4.0	3.76
Physical Appearance Color*	2023-70 (Crème Fraiche) 2021-70 to 2025-70, RM-1 to RM-3, or RM-31	RM-31 (Brilliant White)
Texture	Crystals and Powder	Powder
Solution Appearance	Clear Colorless	Clear Colorless
Average Time to Dissolve	20-35 min	25 min
Precipitation Formation	None	None
Moisture	7-11%	8.3%
pH of a 0.5% Solution	3.0-5.0	3.0
Purity	99%	99.50%
UV/VIS	261 ± 2 nm	260 nm

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

Biological Testing:

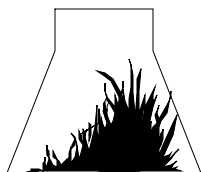
TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultures	Boston Fern	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants
	Hosta	Passes—supported plant growth and/or 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.

Phyto Technology 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. Phyto Technology 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.

Laura L. Williams

Quality Control Technician



PhytoTechnology
Laboratories, LLC
Dedicated to Growth

PhytoTechnology Laboratories, LLC

Mailing Address: P.O. Box 13481, Shawnee Mission, KS 66282-3481
Phone: 1-888-749-8682 (913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at <http://www.phytotechlab.com>