

CERTIFICATE OF ANALYSIS

Product Description SPERMIDINE, FREE BASE
N-(3-AMINOPROPYL)-1,4-BUTANEDIAMINE
Product Number S837
Lot Number HXT0837020
Storage Temperature 2-8 °C
Molecular Weight 145.25
Formula C₇H₁₉N₃
CAS Number 124-20-9

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1.45 mg/mL	Passes
pH	Under Development	11.4
Physical Appearance		
Color	Colorless	Colorless
Texture	Solid (Melts at Room Temp)	Solid (Melts at Room Temp)
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 97.0%	99.60%

Biological Testing:

Test concentration: 1.45 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.	Xanthi Tobacco Callus	Passes
	Perilla Fantasy	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: 25-August-2025

Recommended Shelf-Life Date: August 2029

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