

Certificate of Analysis

Product Name: Adenosine Cosmetic Grade Powder

CAS No.: 58-61-7

Molecular Formula: C₁₀H₁₃N₅O₄

Origin: USA

Lot Number: BPCACGP102026

Expiry Date: June, 2029

Item of Analysis	Specification	Result	Test Method
Assay	98.0–102.0%	99.68%	HPLC
Organoleptic			
Appearance	Powder	Conforms	Organoleptic
Color	White or almost white crystalline powder	Conforms	Organoleptic
Odor	Characteristic	Conforms	CP2010
Taste	Characteristic	Conforms	CP2010
Physical Characteristics			
Loss on Drying	NMT 0.5%	0.1%	USP <731>
Total Ash	NMT 0.1%	0.06%	USP <561>
Specific Rotation	–68.0° to –72.0°	–70.2°	CP2010IA
Total Impurities	≤0.5%	0.10%	CP2010IA
Heavy Metals			
Total Heavy Metals	≤10 ppm	Conforms	USP <231>, Method II
Lead (Pb)	≤2 ppm	0.03 ppm	ICP-MS
Arsenic (As)	≤2 ppm	0.02 ppm	ICP-MS
Cadmium (Cd)	≤2 ppm	Not Reported	ICP-MS
Mercury (Hg)	≤0.5 ppm	Not Reported	ICP-MS
Microbiological Tests			
Total Plate Count	≤3,000 CFU/g	Conforms	USP <61>
Yeast & Mold	≤300 CFU/g	Conforms	USP <61>
E. coli	Negative	Conforms	USP <61>
Salmonella	Negative	Conforms	USP <61>
Staphylococcus	Negative	Conforms	USP <61>

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