

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-08 03:35:15

Date of Next Testing: 2025-03-07 03:35:15

Product Name: **Adenine Hydrochloride Hemihydrate**

CAS Number: 2922-28-3

Specifications & Purity: $\geq 99\%$

Lot #: C2304162

SKU #: **A129851**

Version: **1**

Analysis #: **172865**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.62200 %
Wave Length	261-263 (nm)	262.00000 nm
Loss on drying	0-5 (%)	0.03087 %
Purity(Argentmetric Titration)(calcd.on anh.substance)	99-101 (%)	99.75100 %
EmM Anhydrous(Run in pH 1.0)	12.7-13.5	13.49300
Appearance (A129851)	White to Off-White Powder	White to Off-White Powder
NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H2O , almost transparency,50 mg/mL	pass	Pass



John Su
QA & QC Manager