

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-27 10:52:59

Date of Next Testing: 2025-11-26 10:52:59

Product Name: **Adenine Hydrochloride Hemihydrate**

CAS Number: 2922-28-3

Specifications & Purity:  $\geq 99\%$

Lot #: K2321032

SKU #: **A129851**

Version: **1**

Analysis #: **299569**

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

| Parameter                                              | Limit Values              | Result                    |
|--------------------------------------------------------|---------------------------|---------------------------|
| Loss on drying                                         | 0-5 (%)                   | 0.58000 %                 |
| Purity(HPLC)                                           | 98-100 (%)                | 99.99000 %                |
| Purity(Argentmetric Titration)(calcd.on anh.substance) | 99-101 (%)                | 100.80000 %               |
| EmM Anhydrous(Run in pH 1.0)                           | 12.7-13.5                 | 13.36000                  |
| Wave Length                                            | 261-263 (nm)              | 261.00000 nm              |
| Appearance (A129851)                                   | White to Off-White Powder | White to Off-White Powder |
| NMR spectrum                                           | Conforms to Structure     | Conforms to Structure     |
| Solubility in hot Water,almost transparency            | Pass                      | Pass                      |



John Su  
QA & QC Manager