

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-08 11:44:42  
Date of Next Testing: 2027-07-07 11:44:42  
Product Name: **Adenosine**  
CAS Number: 58-61-7  
Specifications & Purity: Ultra pure , 99.5%  
Lot #: F2327106  
SKU #: **A108808**  
**Analysis: 241590**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Purity(HPLC)	99.5-100 (%)	99.89900 %
Ratio of Absorbances(E280/E260)	0.19-0.24	0.21
Nitrogen by Elemental Analysis	25.69-26.73 (%)	26.07 %
Ratio of Absorbances(E250/E260)	0.81-0.87	0.84
Lambda max.(0.1mol/L HCl)	256-261 (nm)	257.00 nm
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 5\% \text{NaOH})$	-72--69 (°)	-69.36 °
Sulfate Ash	0-0.1 (%)	0.00 %
Loss on drying	0-0.5 (%)	0.04 %
Melting point	233-238 (°C)	237.86000 °C
Appearance (A108808)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager