

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-23 18:00:36
Date of Next Testing: 2028-12-22 18:00:36
Product Name: **Adenosine**
CAS Number: 58-61-7
Grades & Purity: Moligand™, Ultra pure, ≥99.5%
Lot #: L2423469
SKU #: **A108808**
Version: **1**
Analysis #: **241590**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-10 (ppm)	0.00000 ppm
Purity(HPLC)	99.5-100 (%)	99.89900 %
Ratio of Absorbances(E280/E260)	0.19-0.24	0.21480
Nitrogen by Elemental Analysis	25.69-26.73 (%)	26.06600 %
Ratio of Absorbances(E250/E260)	0.81-0.87	0.84270
Lambda max.(0.1mol/L HCl)	256-261 (nm)	257.00000 nm
Specific Rotation[α] ₂₀ /D(c=2 in 5%NaOH)	-72--69 (°)	-69.36400 °
Sulfate Ash	0-0.1 (%)	0.00000 %
Loss on drying	0-0.5 (%)	0.03780 %
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