

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-12-14 14:11:15
Date of Next Testing:	2028-12-13 14:11:15
Product Name:	Adenosine
CAS Number:	58-61-7
Specifications & Purity:	Moligand™, SuperPure grade, ≥99.5%
Lot #:	L2410063
SKU #	A108808
Version	1
Analysis #:	241590
Storage Temperature:	Store at 2-8°C

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-10 (ppm)	0.00 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 in 5%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