

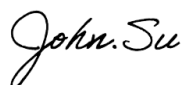
ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-18 13:14:40
 Date of Next Testing: 2026-10-17 13:14:40
 Product Name: **Adenosine**
 CAS Number: 58-61-7
 Specifications & Purity: Ultra pure , 99.5%
 Lot #: J2215134
 SKU #: **A108808**
Analysis: **145559**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-10 (ppm)	10.00 ppm
Purity(HPLC)	99.5-100 (%)	99.85100%
Melting point	233-238 (°C)	237.85000 °C
Ratio of Absorbances(E280/E260)	0.19-0.24	0.24
Nitrogen by Elemental Analysis	25.69-26.73 (%)	26.04%
Ratio of Absorbances(E250/E260)	0.81-0.87	0.81
Lambda max.(0.1mol/L HCl)	256-261 (nm)	260.00 nm
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 5\% \text{NaOH})$	-72--69 (°)	-71.29°
Sulfate Ash	0-0.1 (%)	0.10%
Loss on drying	0-0.5 (%)	0.12%
Appearance (A108808)	White Powder or Crystals	White Powder or Crystals
Solubility in 1 M NH ₄ OH , Colorless,Clear,50 mg/ml	pass	Pass



John Su
QA & QC Manager