

Certificate of Analysis

Date of Testing: 2023-04-27 15:02:48

Date of Next Testing: 2027-04-26 15:02:48

Product Name: **Adenosine 5'-Diphosphate Disodium Salt**

CAS Number: 16178-48-6

Specifications & Purity: $\geq 98\%$ (N)

Lot #: D2321001

SKU #: **A107042**

Version: **1**

Analysis #: **207913**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in } 0.5\text{mol/L Na}_2\text{HPO}_4 \text{ sol.})$	-32--29 (°)	-29.46 °
Water by Karl Fischer	0-15 (%)	11.75 %
Purity(with Total Nitrogen)(calcd.on anh.substance)	98-100 (%)	99.10000 %
Appearance (A107042)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager