

## Certificate of Analysis

Date of Testing: 2022-10-17 16:39:59  
Date of Next Testing: 2026-10-16 16:39:59  
Product Name: **Adenosine 5'-Diphosphate Disodium Salt**  
CAS Number: 16178-48-6  
Specifications & Purity: >98.0%(N)  
Lot #: J2213009  
SKU #: **A107042**  
**Analysis: 139171**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-15 (%)	5.71 %
Specific Rotation [α] <sub>20</sub> /D(c=0.5 in 0.5mol/L Na <sub>2</sub> HPO <sub>4</sub> sol.)	-32--29 (°)	-29.01 °
Purity(with Total Nitrogen)(calcd.on anh.substance)	98-100 (%)	98.06000 %
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