

## Certificate of Analysis

Date of Testing: 2023-01-14 10:25:12  
Date of Next Testing: 2027-01-13 10:25:12  
Product Name: **Adenosine 5'-diphosphate**  
CAS Number: 58-64-0  
Specifications & Purity:  $\geq 95\%$  (HPLC)  
Lot #: A2310234  
SKU #: **A119474**  
**Analysis:** **151709**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-15 (%)	13.68 %
Purity(HPLC)	95-100 (%)	95.02000 %
Appearance (A119474)	White powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager