

## Certificate of Analysis

Date of Testing: 2023-04-14 18:30:58

Date of Next Testing: 2027-04-13 18:30:58

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

CAS Number: 16178-48-6

Specifications & Purity: >98.0%(N)

Lot #: D2311196

SKU #: **A107042**

**Analysis:** **202053**

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

| Parameter                                                                                            | Limit Values                                 | Result                                       |
|------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Water by Karl Fischer                                                                                | 0-15 (%)                                     | 3.75 %                                       |
| Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in } 0.5\text{mol/L Na}_2\text{HPO}_4 \text{ sol.})$ | -32--29 (°)                                  | -31.90 °                                     |
| Purity(with Total Nitrogen)(calcd.on anh.substance)                                                  | 98-100 (%)                                   | 98.10000 %                                   |
| 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                        |



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