

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	00010
<b>Lot Number</b>	001132-20231208
<b>Product</b>	<b>Adenosine-5'-diphosphate disodium salt</b> 5'-ADP•2Na•2H <sub>2</sub> O Adenosine-5'-diphosphoric acid disodium salt dihydrate
<b>CAS Number</b>	16178-48-6
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>10</sub> P <sub>2</sub> Na <sub>2</sub> •2H <sub>2</sub> O
<b>Molecular Weight</b>	507.2

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<b>Appearance</b>	White or off-white powder
<b>Clarity &amp; Color</b>	Clarify colorless solution
<b>Anion</b>	Chloride (Cl) : < 0.05%
<b>Cation</b>	Iron (Fe) : < 0.001% Ammonium salt (NH <sub>4</sub> ) : < 0.02%
<b>Acidity</b>	3.80
<b>UV Ratios</b>	Absorbance : A <sub>250</sub> /A <sub>260</sub> : 0.83 A <sub>280</sub> /A <sub>260</sub> : 0.20 Largest absorption at λ max. : 256.3 nm
<b>Loss on Drying</b>	8.2%
<b>Protein Determination</b>	Protein : Passes test
<b>Assay</b>	92.50% (Dry basis)
<b>Purity by HPLC</b>	96.20%
<b>Storage</b>	Store at -20 °C
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager