



**Certificate of Analysis**

<b>Product Name</b>	Adenosine Triphosphate Disodium(ATP)	<b>Batch</b>	526kg
<b>Manufacture</b>	Jan. 07, 2022	<b>Analysis</b>	Jan. 08, 2022
<b>Batch Number</b>	LYPH220107	<b>Expiration</b>	Jan. 06, 2023
<b>Analysis</b>	ChP 2015 Part II	<b>Grade</b>	Pharmaceutical

Test	Specifications	Result
Appearance	White or almost white powder or crystals; odourless.	Complied
Solubility	Freely soluble in water; Insoluble in ethanol.	Complied
Identification		
Chemical reation	(1) Positive	Complied
	(2) Positive	Complied
IR assay	Accord with the spectrum 903	Complied
Burning	Show sodium flame	Complied
Examination		
pH	2.5 ~3.5(5% in H <sub>2</sub> O)	3.0
Clarity and colour of solution	Should be clear and colorless	Complied
Related substance		
The other impurity	N.M.T. 1.0%	0.1%
Total impurities	N.M.T. 5.0%	0.8%
Water content	6.0% ~12.0%	8.8%
Chlorides	N.M.T. 0.05%	Complied
Iron	N.M.T. 0.001%	Complied
Heavy metals	N.M.T. 10ppm	Complied
Bacterial endotoxins	L.T 2.0 EU/mg	Complied
Assay( C <sub>10</sub> H <sub>14</sub> O <sub>13</sub> N <sub>5</sub> Na <sub>2</sub> P <sub>3</sub> )	N.L.T. 95.0%, calculated on the dried basis.	99.1%
Conclusion:	Complies with the Standard of the ChP 2015 Part II.	

<b>Packing</b>	Sealed export grade drum & double of sealed plastic bag
<b>Storage</b>	Store in cool & dry place not freeze., keep away from strong light and heat
<b>Shelf life</b>	2 years when properly stored

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