

**CERTIFICATE OF ANALYSIS**

Product Name:	ATP disodium salt	Batch No.	JL20240318
Cas	987-65-5	MF Date	MAR.18,2024
Packing	25kg/drum	Analysis Date	MAR.18,2024
Quantity	5000kg	Expiry Date	MAR.17,2026
ITEM 分析项目	STANDARD 技术指标%	RESULT 实测结果%	
Appearance	White powder or off- white powder or crystal powder, hygroscopic.	Conformity	
Identification	Have the largest absorption at $\lambda = 257\text{nm}$ A250/A260=0.79~0.89 A280/A260=0.17~0.27	256.90nm A250/A260= 0.82 A280/A260=0.21	
	The identification of solution is sodium flame reaction.	Conformity	
	The IR spectrum of sample matches RS.	Conformity	
Particle size	>95% pass through 80 mesh.	Conformity	
pH	2.5~3.5	3.12	
Solubility	Soluble in water; insoluble in ethanol & ether.	Conformity	
Oder	Oderless	Conformity	
Water content	6.0%~12.0%	8.4%	
Chloride	$\leq 0.05\%$	$< 0.05\%$	
Iron salt	$\leq 0.001\%$	$< 0.001\%$	
Heavy metals	$\leq 0.001\%$	$< 0.001\%$	
Lead	$\leq 2.0\text{ppm}$	Conformity	
Arsenic	$\leq 1.0\text{ppm}$	Conformity	
Mercury	$\leq 0.5\text{ppm}$	Conformity	
Cadmium	$\leq 0.5\text{ppm}$	Conformity	
Total bacteria count	$\leq 1,000 \text{ cfu/g}$	Conformity	

Yeast & mould	≤ 100 cfu/g	Conformity
Salmonela	Negative in 25 g	Negative
Staphylococcus aureus	Negative in 25 g	Negative
E. coli	Negative in 25 g	Negative
Bacterial Endotoxins	≤ 2.0 EU/mg	Conformity
Contents (on drysis)	$\geq 97.0\%$	98.6%
Purity (HPLC)	$\geq 97.0\%$	99.9%
Related substances	$\leq 2.0\%$	Conformity
Conclusion	Qualified	

Analyst: Wen Qian
Quality Assurance Officer: Zhan Peng


Unilong Industry