



CERTIFICATE OF ANALYSIS

Product: Adenosine	Batch No: 180119
Quantity: 525.00kg	Date of Manufacture: Jan.19,2018
Date of Certificate: Jan.22,2018	Date of Expire: Jan.18,2020
Analysis according: USP36	

Items	Requirements	Results
Characteristics	White crystalline powder,odorless;soluble in water,practically insoluble in ethanol	Conforms
Identification	The infrared spectrum should conforms to that of the reference.	Conforms
Melting point	233°C~238°C	235.3°C~236.6°C
Specific Rotation	-68.0° ~ -72°	-69.5°
Acidity or alkalinity	Meets the requirements	Conforms
Loss on drying	≤0.5%	0.01%
Heavy metals	≤10ppm	<10ppm
Residue on ignition	≤0.1%	0.06%
Limit of ammonia	≤0.0004%	<0.0004%
Limit of chloride	≤0.007%	<0.007%
Limit of sulfate	≤0.02%	<0.02%
Chromatographic purity	Guanosine≤0.1% Inosine≤0.1% Uridine≤0.1% Adenine≤0.2% Total impurities≤0.5%	Not detected 0.007% Not detected Not detected 0.04%
Contents (on dry basis)	99.0%~101.0%	99.4%

Conclusion: The above product meets the specification of USP36

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