

Certificate of Analysis

质量检验单

Product Name: Adenosine		Batch No.: 20191207
CAS No.: 58-61-7		Quantity: 500kg
Manufacturing Date: 12/07/2019		Expired Date: 12/06/2022
Sampling Date: 12/08/2019		Report Date: 12/10/2019
Test Items	Requirements	Results
Loss on drying	$\leq 0.5\%$	0.1%
Residue on ignition	$\leq 0.1\%$	0.1%
Melting point	233.0~238.0°C	234.6~235.7°C
Specific Rotation	-68.0°~ -72.0°	-69.8°
Heavy Metals	$\leq 10\text{ppm}$	Complies
Acidity or alkalinity	Meet the requirements	Complies
Limit of chloride	$\leq 0.007\%$	Complies
Limit of Ammonia	$\leq 0.0004\%$	Complies
Limit of sulfate	$\leq 0.02\%$	Complies
Assay (HPLC)	$\geq 98\%$	99.2%
Total impurities	$\leq 0.5\%$	0.2%
Adenine	$\leq 0.2\%$	Undetected
Guanosine	$\leq 0.1\%$	Undetected
Uridine	$\leq 0.1\%$	Undetected
Inosine	$\leq 0.1\%$	0.03%
Total aerobic limits	$\leq 300\text{cfu/g}$	$< 10\text{cfu/g}$
Yeast & mould	$\leq 100\text{cfu/g}$	$< 10\text{cfu/g}$
Identification	IR spectrum should match with that of working standard.	Complies
Conclusion	The product complies with enterprise standard.	
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