



## Certificate of Analysis

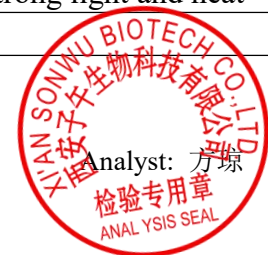
<b>Product name</b>	N-acetyl-L-cysteine	<b>Manufacture date</b>	Oct.14.2023
<b>Batch number</b>	SW231014	<b>Analysis date</b>	Oct.15.2023
<b>Batch quantity</b>	800kg	<b>Expiry date</b>	Oct.14.2025

<b>Analysis</b>	<b>Specification</b>	<b>Result</b>
<b>Appearance</b>	White crystalline powder	Conforms
<b>Assay</b>	98.5%~101.0%	99.3%
<b>Identification</b>	Infrared Absorption	Conforms
<b>PH</b>	2.0-2.8	2.22
<b>Specific optical rotation</b>	+21° ~+27°	+25.4°
<b>Melting point</b>	106°C~110°C	107~109
<b>Transmittance</b>	≥98%	98.9%
<b>Loss on drying</b>	≤0.5%	0.15%
<b>Residue on ignition</b>	≤0.2%	0.09%
<b>Chloride</b>	≤0.04%	<0.04
<b>Sulfate</b>	≤0.03%	<0.03
<b>Ammonium</b>	≤0.02%	<0.02
<b>Heavy metals</b>	≤0.001	<0.001
<b>Iron</b>	≤0.002	<0.002
<b>Other amino acids</b>	Not detectable	Not detectable
<b>Conclusion</b>	Conforming to Enterprise Standard	

<b>Packing description:</b>	Sealed export grade drum & double of sealed plastic bag
<b>Storage:</b>	Store in cool & dry place. keep away from strong light and heat
<b>Shelf life:</b>	2 years when properly stored

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