

## COA 质量检验报告



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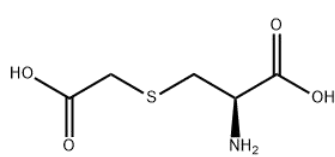
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## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>		Carbocisteine		
<b>Molecular Formula:</b>		C5H9NO4S		
<b>Molecular Weigh:</b>		179.19		
<b>Batch No.:</b>		CF20250113003	<b>CAS No:</b>	638-23-3
<b>Mfg. Date:</b>		2025-01-13		
<b>Date of Report:</b>		2025-01-13	<b>Quantity:</b>	700kg
<b>Expired Date:</b>		2027-01-13	<b>Package:</b>	Bag
<b>Item</b>		<b>Specifications</b>		<b>Results</b>
<b>Characters</b>		A white or almost white, crystalline power, practically insoluble in water and in alcohol .It dissolves in dilute mineral acids and in dilute solutions of alkali hydroxxides.		Conforms
<b>Identification</b>	<b>Test A (Specific Optical rotation)</b>	It complies with the test for specific optical rotation.		Conforms
	<b>Test B(IR)</b>	The IR spectrum of the sample is concordant with the spectrum of the reference standard, Carbocisteine CRS.		
	<b>Test C(TLC)</b>	The principal spot in the chromatogram obtained with the test solution (b) is similar in position, color and size to the principal spot in the chromatogram obtained with the reference solution(a)		
	<b>Test D(Chemical reaction)</b>	Dark red color is produced, which changes to brown and then to yellow within a few minutes.		
<b>pH</b>		2.8~3.0		2.9
<b>Specific optical rotation [α]<sub>D</sub><sup>20</sup></b>		-32.5 °~-35.5 °		-33.7 °

<b>State of solution (Transmittance)</b>	Solution S is clear and colourless Not less than	96.0%	Clear and colourless 99.5%
<b>Ninhydrin-positive substances</b>	Not more than	0.5%	<0.5%
<b>Chloride(Cl)</b>	Not more than	0.15%	<0.10%
<b>Sulfate(SO4)</b>	Not more than	0.03%	<0.03%
<b>Loss on Drying</b>	Not more than	0.5%	0.1%
<b>Sulfated ash</b>	Not more than	0.3%	0.06%
<b>Assay</b>	98.5%~101.0 %		99.6%
<b>Density</b>	Bulk density		0.43g/ml
	Tap density		0.84g/ml
<b>Conclusion</b>	Agree with the specification of EP11		



