

Certificate of Analysis

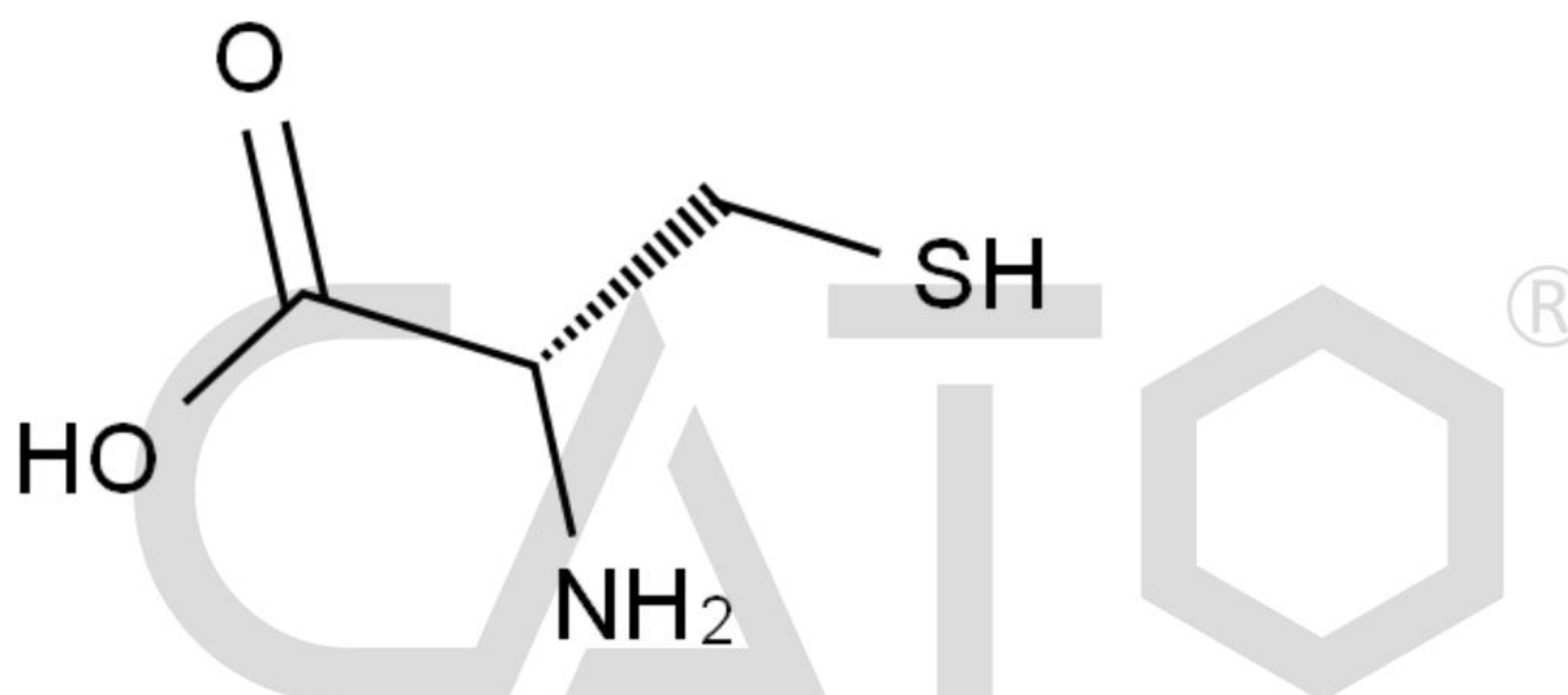
Reference Material & Standard

Product Name:	Acetylcysteine EP Impurity B	Catalogue Number:	C4X-153235
Synonyms:	L-Cysteine	Lot Number:	0908-RG-0027
CAS Number:	52-90-4	Expiry Date:	Sep 10, 2029
Molecular Formula:	C ₃ H ₇ NO ₂ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	121.16	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	ELSD	98.090%
Loss on Drying	TGA	0.7617%
Assay		97.3%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity ELSD (%) / 100%

Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

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Date: Feb 02, 2026

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