

Certificate of Analysis

Reference Material & Standard

Product Name:	2-Aminoethanethiol Hydrochloride	Catalogue Number:	CCHM701941
Synonyms:	N/A	Lot Number:	0905-RG-0092
CAS Number:	156-57-0	Expiry Date:	Sep 04, 2029
Molecular Formula:	C ₂ H ₇ NS HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	77.15 36.46	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&HNMR	Confirmed
Purity	ELSD	100.000%
Water Content	Karl Fischer	10.8722%
Assay		89.1%
Uncertainty		±1.2%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity ELSD (\%)} / 100\%$$

Water Content is considered as absolute effect, ELSD purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Oct 11, 2025

Date: Oct 11, 2025

Date: Oct 11, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

