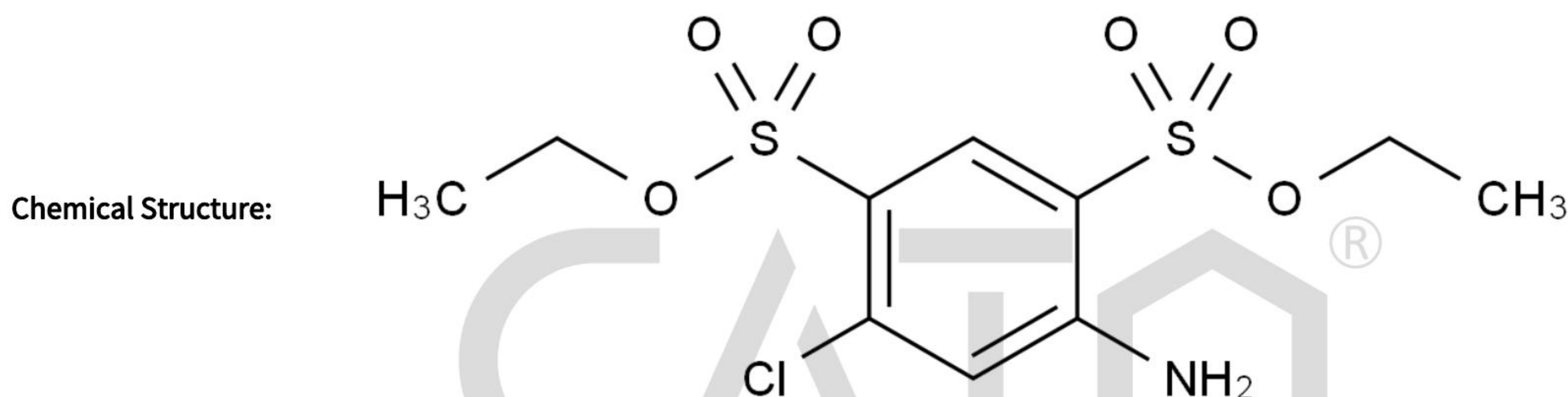


Certificate of Analysis

Reference Material & Standard

Product Name:	Hydrochlorothiazide Impurity 9	Catalogue Number:	C4X-11779
Synonyms:	N/A	Lot Number:	0309-RH-0008
CAS Number:	2089381-36-0	Expiry Date:	Mar 01, 2030
Molecular Formula:	C ₁₀ H ₁₄ ClNO ₆ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	343.80	Shipping Condition:	Shipping at Room Temperature



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	97.7139%
Water Content	Karl Fischer	0.10%
Residual Solvents	NMR	0.1% isopropyl ether and 0.1% dichloromethane
Assay		97.4%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Mar 11, 2026

Date: Mar 11, 2026

Date: Mar 11, 2026



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