

Certificate of Analysis

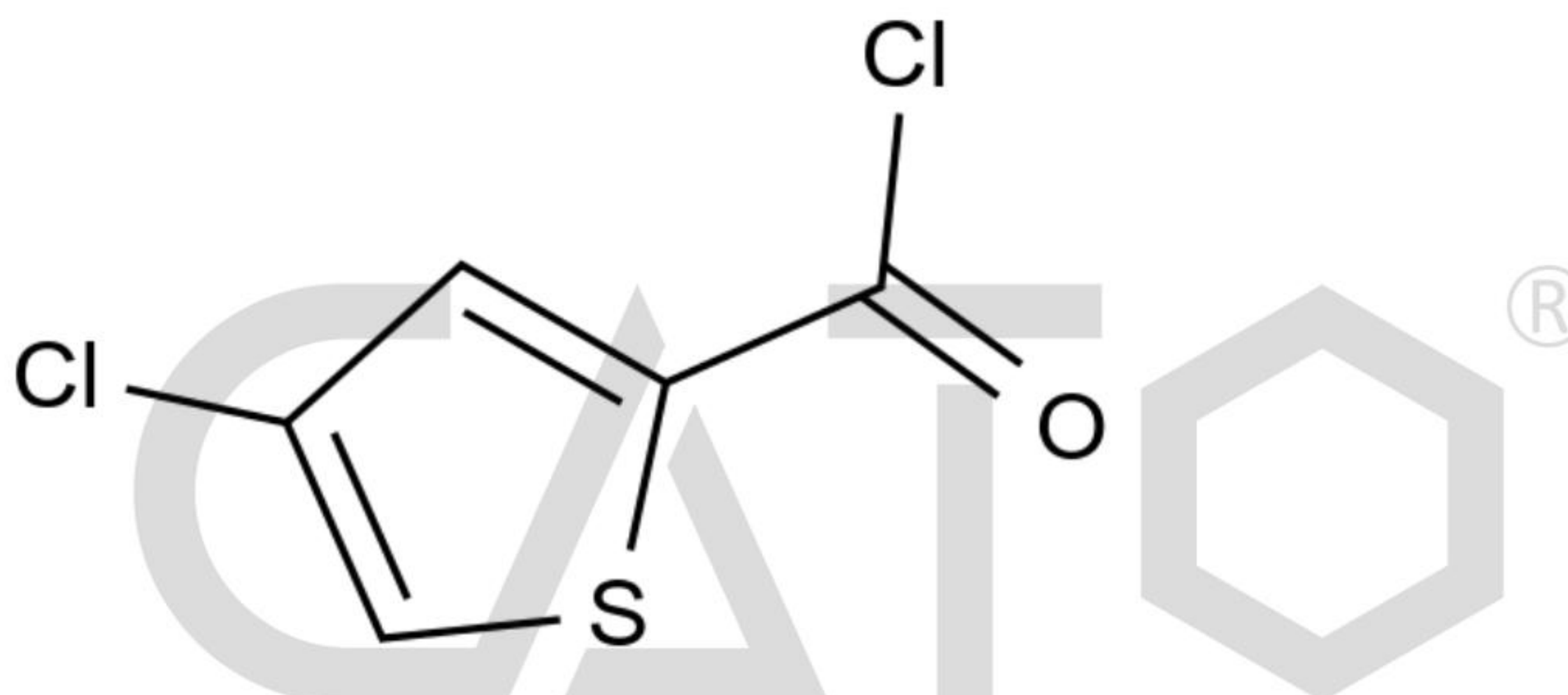
Reference Material & Standard

Product Name:	2-Thiophenecarbonyl chloride	Catalogue Number:	C1806087
Synonyms:	N/A	Lot Number:	0720-RH-0085
CAS Number:	66039-95-0	Expiry Date:	Jul 11, 2030
Molecular Formula:	C ₅ H ₂ Cl ₂ OS	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	181.04	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Oil
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.422%
Loss on Drying	TGA	0.4925%
Assay		97.9%

Comment:

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

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

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

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jul 21, 2026

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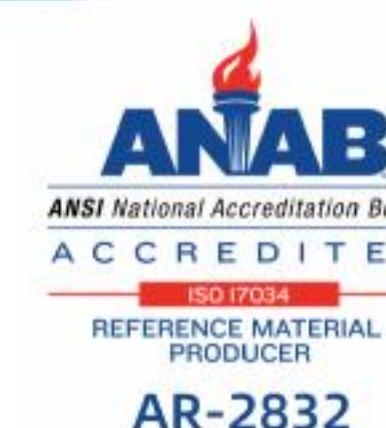
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