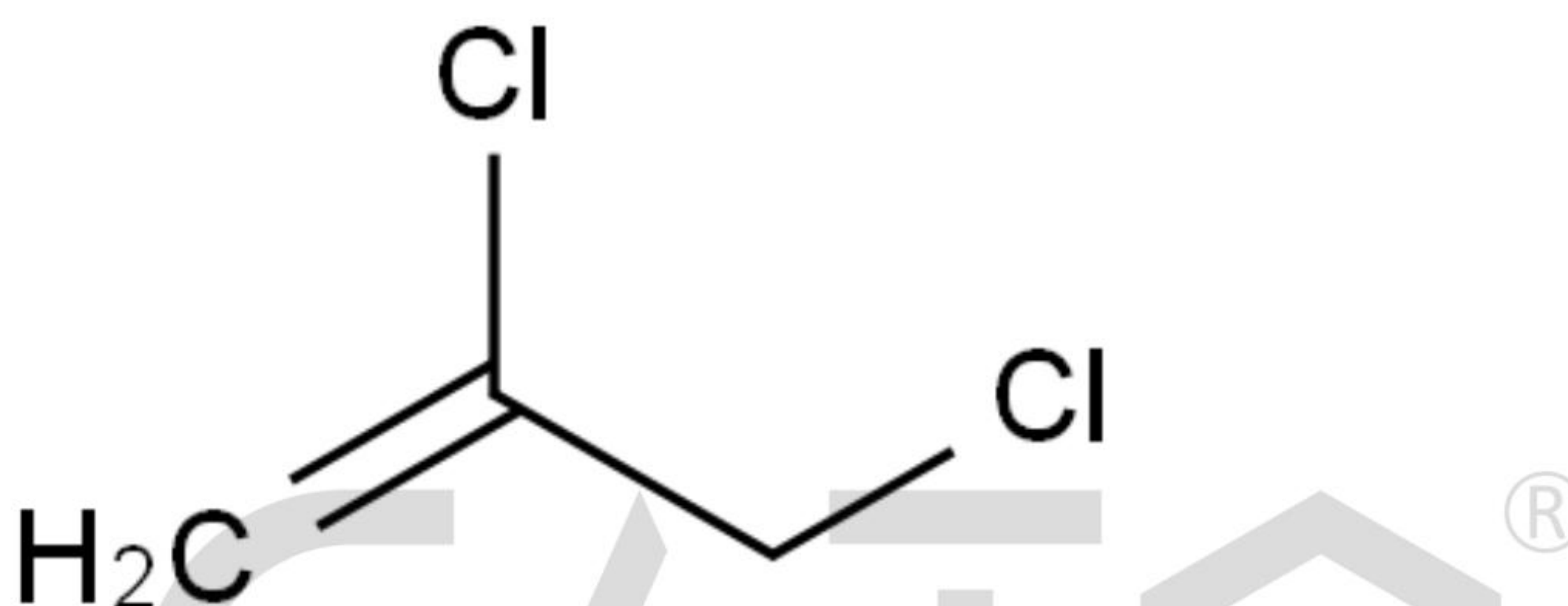


Certificate of Analysis

Reference Material

Product Name:	2,3-Dichloro-1-Propene	Catalogue Number:	CCEM500165
Chemical Name:	N/A	Lot Number:	1026-RD-0013
CAS Number:	78-88-6	Expiry Date:	Oct 30, 2026
Molecular Formula:	C ₃ H ₄ Cl ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	110.97		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	98.624%
Water Content	Karl Fischer	3.6871%
Assay		95.0%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity GC (%) / 100%

Water Content is considered as absolute effect, GC purity is considered as relative effect.

2. 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:

Debia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Oct 31, 2022

Date: Oct 31, 2022

Date: Oct 31, 2022

