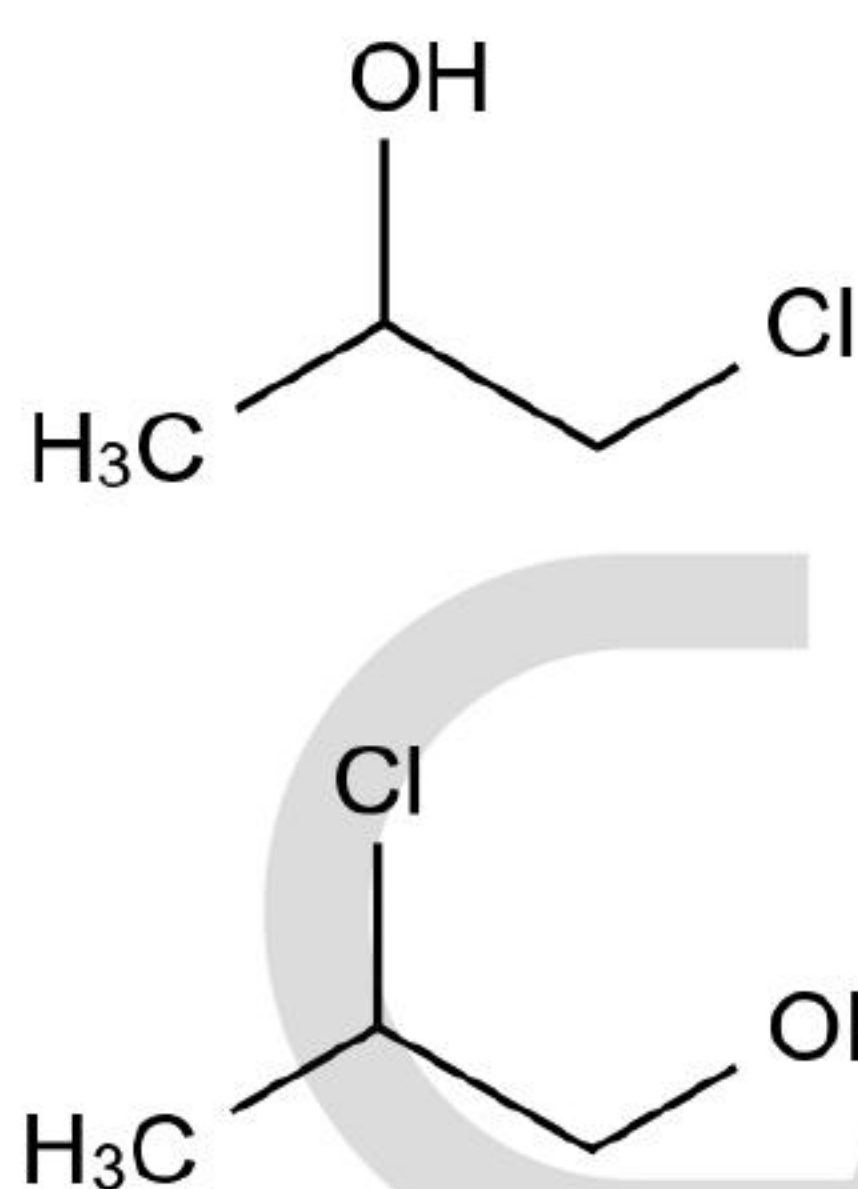


Certificate of Analysis

Reference Material & Standard

Product Name:	Chloropropanol(mixed isomers)	Catalogue Number:	CCEM500961
Synonyms:	N/A	Lot Number:	1126-RG-0074
CAS Number:	N/A	Expiry Date:	Dec 02, 2029
Molecular Formula:	C ₃ H ₇ ClO	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	2*94.54	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	98.917%
Water Content	Karl Fischer	0.4166%
Assay		98.5%
Uncertainty		±0.3%

Comment:

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

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

Water Content is considered as absolute effect, GC 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: Dec 03, 2025

Date: Dec 03, 2025

Date: Dec 03, 2025

