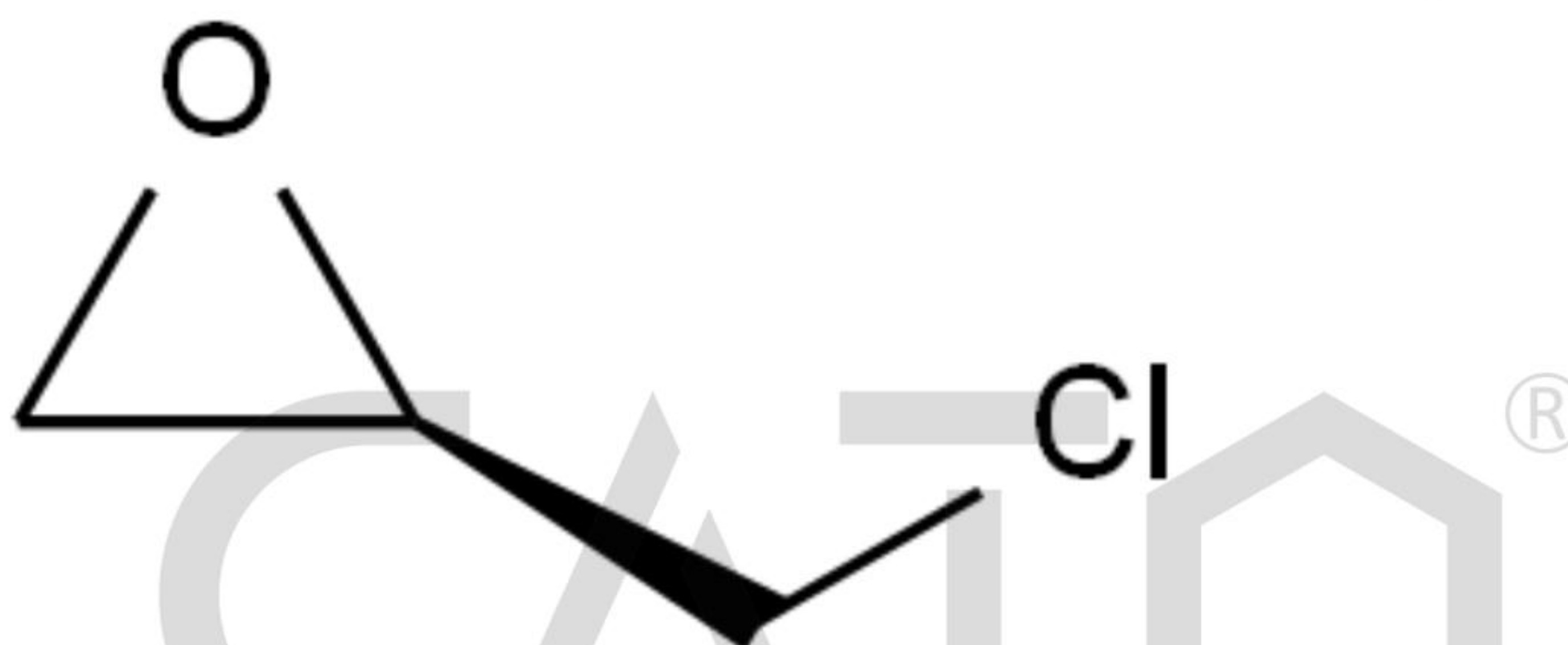


Certificate of Analysis

Reference Material & Standard

Product Name:	(R)-Epichlorohydrin	Catalogue Number:	CCHM700935
Synonyms:	N/A	Lot Number:	1125-RA-0001
CAS Number:	51594-55-9	Expiry Date:	Aug 29, 2027
Molecular Formula:	C3H5ClO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	92.52	Warning:	  

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	Chiral Purity	99.828%
Purity	GC	98.541%
Water Content	Karl Fischer	0.18%
Assay		98.2%
Uncertainty		±2.0%

Comment:

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

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

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 06, 2024

Date: Dec 06, 2024

Date: Dec 06, 2024

