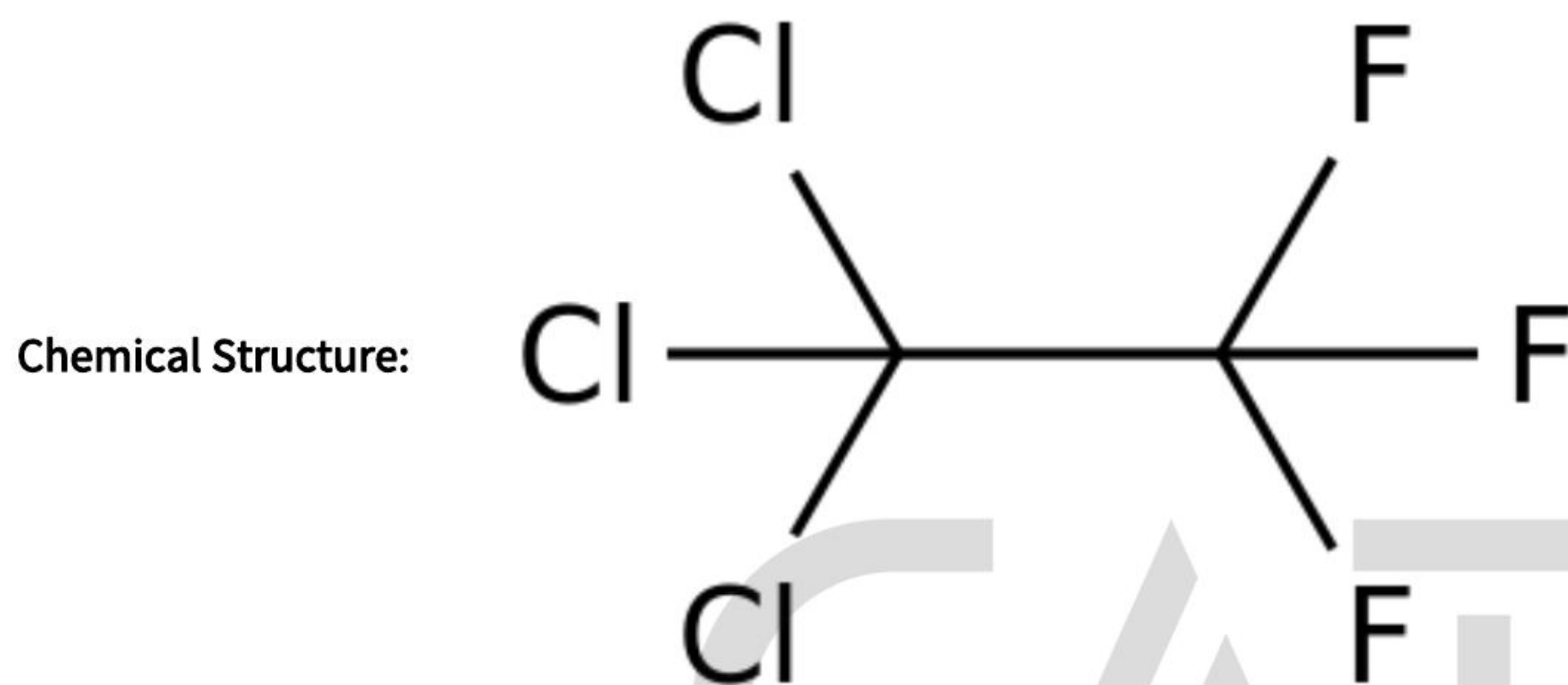


Certificate of Analysis

Reference Material

Product Name:	1,1,1-Trichloro-2,2,2-trifluoroethane	Catalogue Number:	CCPD103248
Chemical Name:	N/A	Lot Number:	0516-RD-0044
CAS Number:	354-58-5	Expiry Date:	May 17, 2026
Molecular Formula:	C ₂ Cl ₃ F ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	187.38		



Test Items	Method	Results
Appearance	Visual inspection	Yellow Liquid
Identification	GCMS&FNMR&HNMR	Confirmed
Purity	GC	97.070%
Water Content	Karl Fischer	0.3004%
Assay		96.8%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula:

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

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:

Delia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: May 18, 2022

Date: May 19, 2022

Date: May 19, 2022

