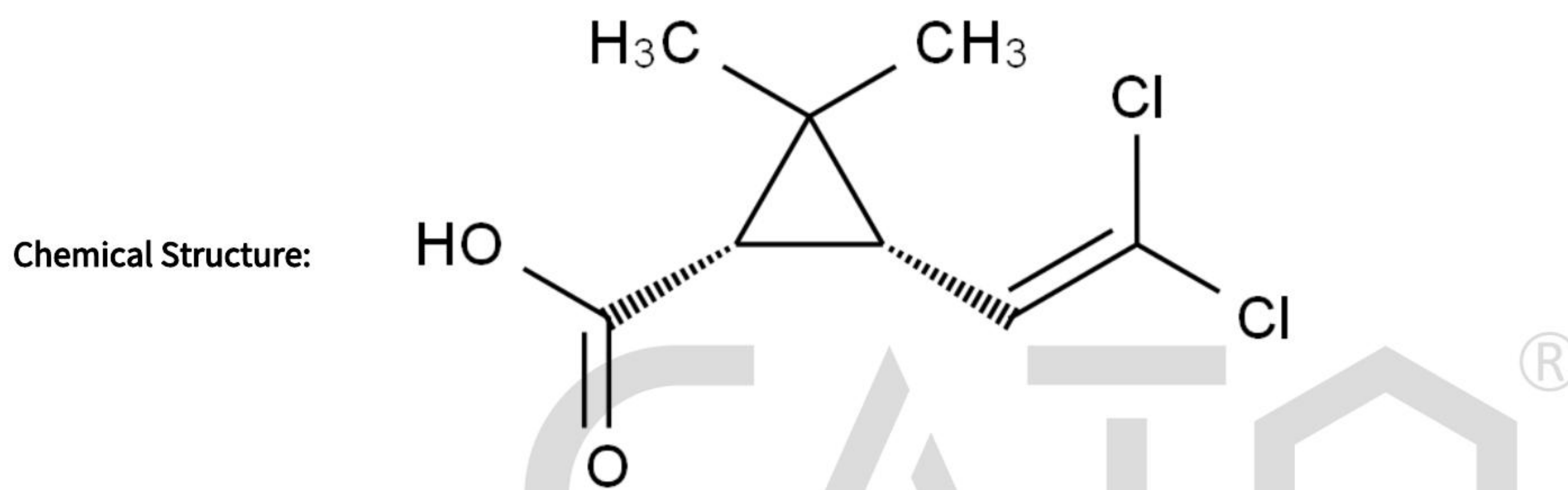


Certificate of Analysis

Reference Material

Product Name:	rac-cis-Permethrinic Acid	Catalogue Number:	CCPD103141
Chemical Name:	N/A	Lot Number:	1009-RD-0015
CAS Number:	59042-49-8	Expiry Date:	Oct 27, 2025
Molecular Formula:	C ₈ H ₁₀ Cl ₂ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	209.07		



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	NMR	98.0%
Uncertainty		±2.0%

Comment:

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:

Hinlam

Aporoved by General manager:

David

Date: Oct 29, 2021

Date: Oct 17, 2022

Date: Oct 17, 2022

