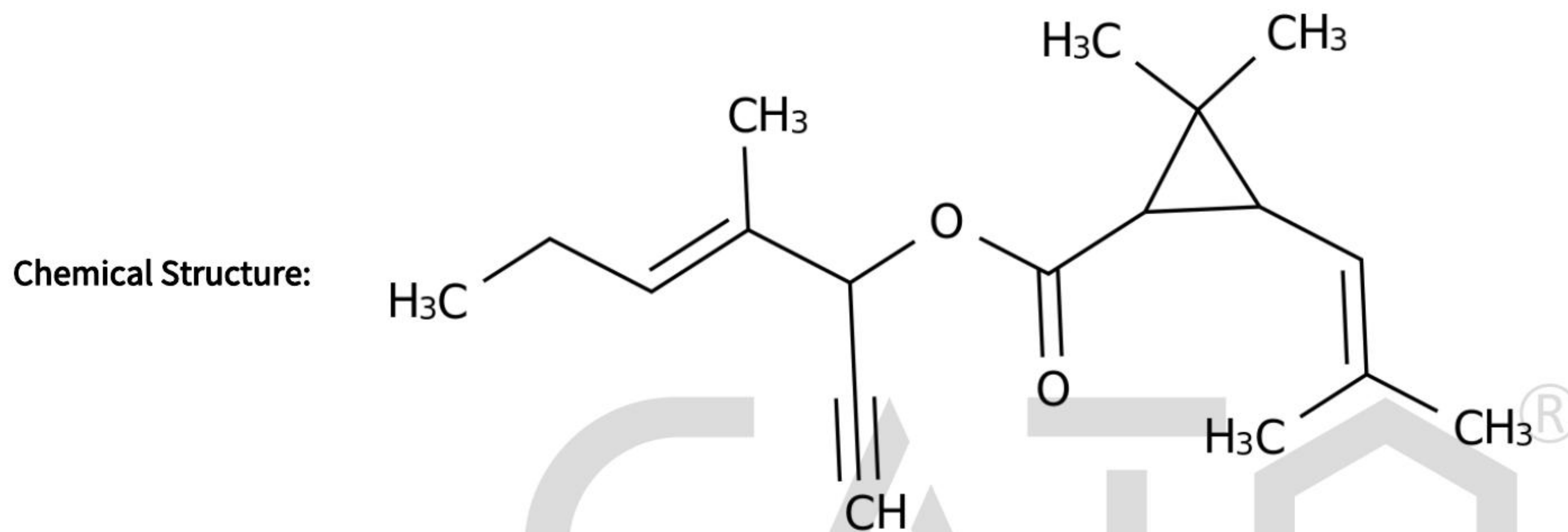


Certificate of Analysis

Reference Material

Product Name:	Empenthrin	Catalogue Number:	CCPD101240
Chemical Name:	N/A	Lot Number:	0822-RD-0023
CAS Number:	54406-48-3	Expiry Date:	Jun 11, 2025
Molecular Formula:	C ₁₈ H ₂₆ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	274.40		



Test Items	Method	Results
Appearance	Visual inspection	Yellow Liquid
Purity	GC	95.42%
Water Content	Karl Fischer	0.9222%
Assay		94.5%
Uncertainty		±3.0%

Comment:

1. No chromatogram available.

Mixture of isomers.

2. 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.

3. 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:

Xenia

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Jun 11, 2019

Date: Aug 23, 2022

Date: Aug 23, 2022

