

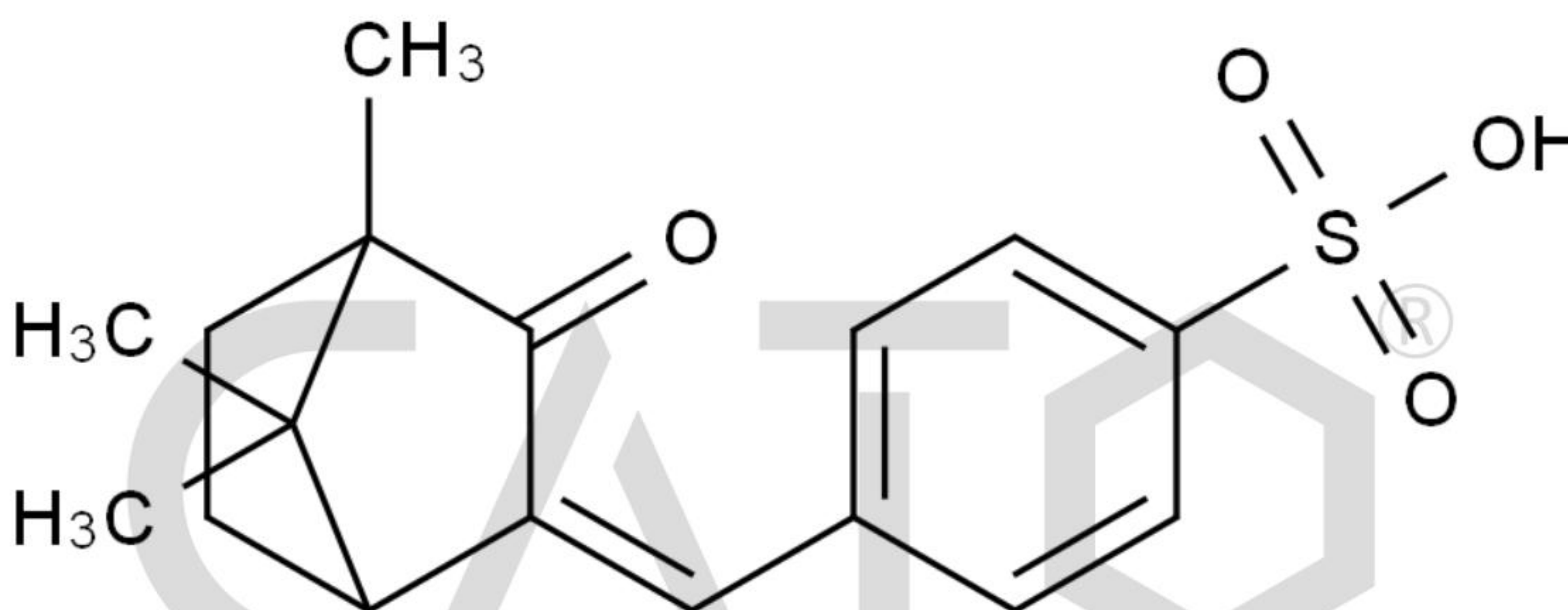
Certificate of Analysis

Reference Material & Standard

Product Name:	Benzylidene Camphor Sulfonic Acid	Catalogue Number:	CCHM701531
Synonyms:	N/A	Lot Number:	0520-RG-0060
CAS Number:	56039-58-8	Expiry Date:	May 22, 2029
Molecular Formula:	C ₁₇ H ₂₀ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	320.40	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Pink Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.715%
Loss On Drying	TGA	14.4332%
Assay		85.3%
Uncertainty		±1.6%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC 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:

Koi

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: May 23, 2025

Date: May 23, 2025

Date: May 23, 2025

