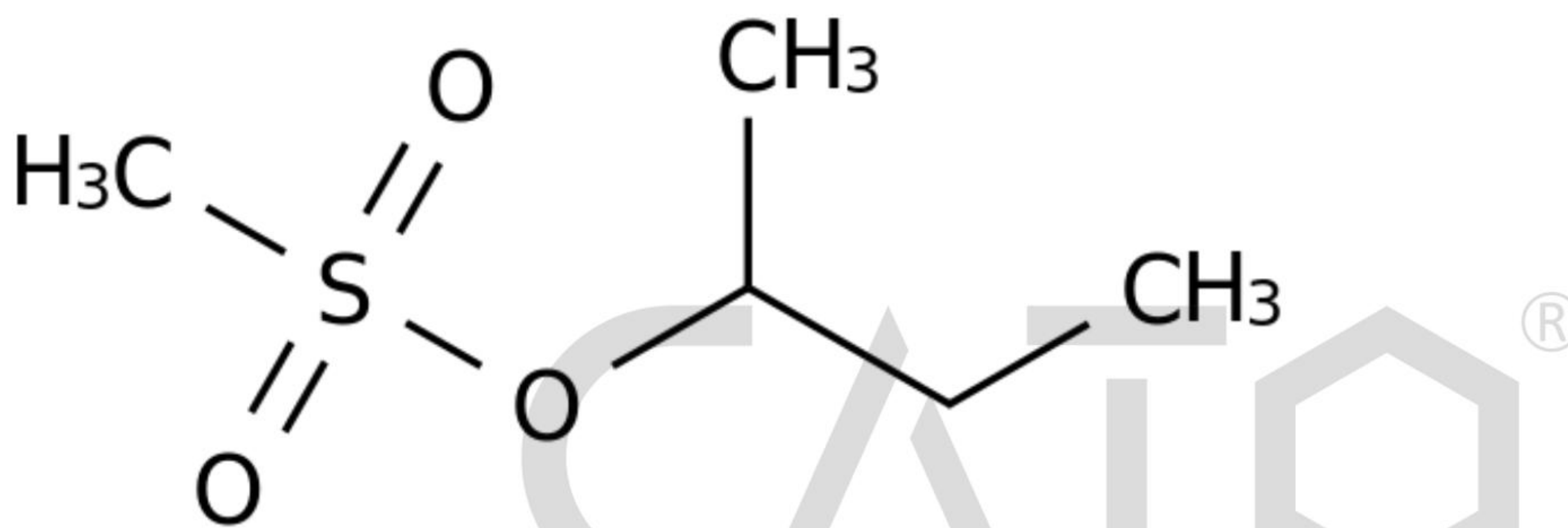


Certificate of Analysis

Reference Material & Standard

Product Name:	sec-Butyl Methanesulfonate	Catalogue Number:	CCHM704491
Synonyms:	N/A	Lot Number:	0223-RE-0003
CAS Number:	16156-54-0	Expiry Date:	Feb 26, 2027
Molecular Formula:	C ₅ H ₁₂ O ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	152.21		
Chemical Structure:			



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.9%
Assay	qNMR	93.5%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
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: 吴晓琳

Reviewed by:

Xenia

Aproved by General Manager:

David

Date: Feb 27, 2023

Date: Feb 27, 2023

Date: Feb 27, 2023

