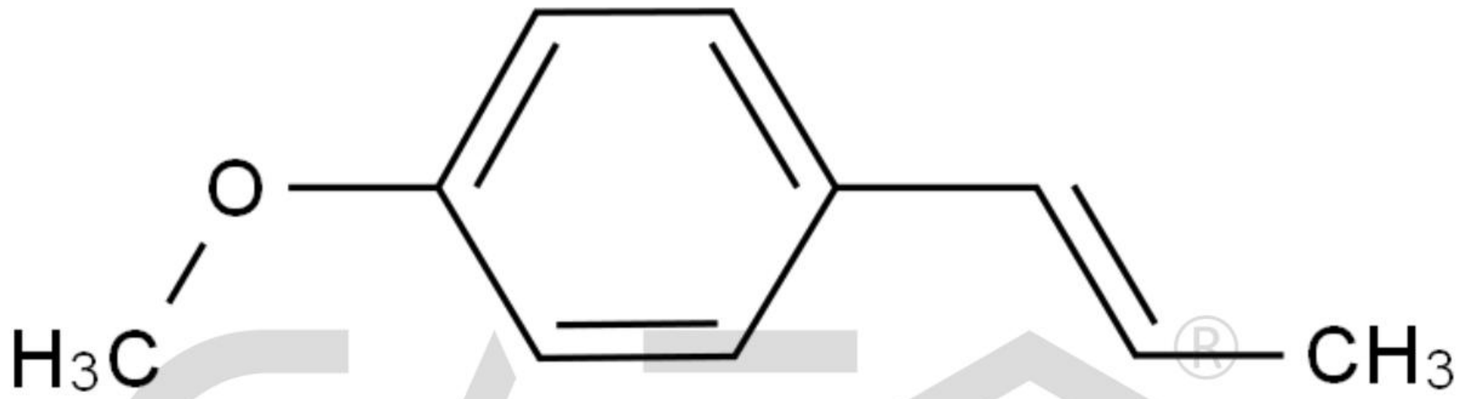
Certificate of Analysis

Reference Material & Standard

Product Name:	trans-Anethole	**Catalogue Number:**	CCFD201216
Synonyms:	N/A	**Lot Number:**	1011-RD-0059
CAS Number:	4180-23-8	**Expiry Date:**	May 18, 2029
Molecular Formula:	C10H12O	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	148.20		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.766%
Water Content	Karl Fischer	0.0975%
Assay		99.7%
Uncertainty		±0.2%

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Comment:

1. 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.
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: Lisa Date: May 19, 2025

Reviewed by: Jinlan Date: May 20, 2025

Approved by General Manager: David Date: May 20, 2025

CATO Research Chemicals Inc.