

## Certificate of Analysis

Product Name:

**tert-Butyl methyl ether PurSolv Ultra for LC-MS, >99.5%**

Product No.: PSR50348  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 1634-04-4  
Molecular Formula: C<sub>5</sub>H<sub>12</sub>O  
Molecular Weight: 88.15 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	Colourless Liquid	Colourless Liquid
Assay (by GC)	≥ 99.5 %	99.80 %
Identification by IR	Conforms to structure	Conforms to structure
Refractive index (n 20/D)	1.362 - 1.376	1.370
Non-volatile matter	NMT 0.005 %	0.005 %
UV Absorbance 400nm	NMT 0.005	0.001
UV Absorbance 300nm	NMT 0.005	0.001
UV Absorbance 250nm	NMT 0.10	0.08
UV Absorbance 210nm	NMT 1.00	0.98
Free Acid (as Acetic Acid)	NMT 0.002 %	0.001 %
Water (by KF)	NMT 0.02 %	0.01 %
Suitability for LCMS	Complies	Complies

### Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at [www.pure-synth.com](http://www.pure-synth.com)

Inspect on receipt

### Storage Condition:

Store at a room temperature of and keep the container tightly closed.

PureSynth Research Chemicals GmbH

*This is electronically-generated copy & is valid without a signature*

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)