

# Certificate of Analysis

## tert-Butylmethyl ether

**PurTech Standard for GC**

(Secondary Reference Standard)

<b>Product Number</b>	PSI062	<b>CAS No.</b>	1634-04-4
<b>Brand</b>	PureSynth	<b>Lot No.</b>	P09Y
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>12</sub> O	<b>Date of Mfg.</b>	May,2021
<b>Molecular Weight</b>	88.15 g/mol	<b>Date of Exp.</b>	April,2025

Test	Specification	Result
Description	Colorless liquid	Colorless liquid
Clarity	Clear	Clear
Assay (GC-FID)	≥99.5 %	99.99%
Non-volatile matter	<0.001%	0.0002%
Peroxides (as H <sub>2</sub> O <sub>2</sub> )	<1ppm	<1ppm
APHA	<10	<5
Water (by KF)	≤0.15%	0.1458 %
Identification by <sup>1</sup> H NMR	Conform to structure	Conforms
Identification by GC-MS	Conform to molecular	Conforms
Identification by IR	Conform to structure	Conforms

**\*Traceable to USP Reference Standard 1083303, Lot No. R064R0.**

**Storage Condition:** Store at ambient temperature and keep container tightly closed in a dry and well-Ventilated place.

**Remark:** The batch complies with the prescribed quality of the above specification.

*This is a computer-generated report -does not required sign*

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