

# Certificate of Analysis

## Acetonitrile

### PurCert Standard for GC

(Secondary Reference Standard)

<b>Product Number</b>	PSR28287	<b>CAS No.</b>	75-05-8
<b>Brand</b>	PureSynth	<b>Lot No.</b>	AO02P
<b>Molecular Formula</b>	C <sub>2</sub> H <sub>3</sub> N	<b>Date of Mfg.</b>	Feb.2023
<b>Molecular Weight</b>	41.05 g/mol	<b>Date of Exp.</b>	Jan.2027

Test	Specification	Result
Description	Colorless liquid	Colorless liquid
Assay (GC-FID)	≥ 99.5 %	99.87 %
Water (By KF)	NMT 0.0500 %	0.0324 %
Density	0.75-0.80 g/cm <sup>3</sup>	0.78 g/cm <sup>3</sup>
Identification by <sup>1</sup> H NMR	Conforms to structure	Conforms
Identification by GC-MS	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms

**\*Traceable to USP Reference standard 1601340, Lot No: R046M0.**

**Storage Condition:** Store at room temperature and keep the container tightly closed.

**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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