

Certificate of Analysis

Acetaldehyde

PurCert Standard for GC

(Secondary Reference Standard)

Product Number	PSR28375	CAS No.	75-07-0
Brand	PureSynth	Lot No.	ETIHW03S
Molecular Formula	C ₂ H ₄ O	Date of Mfg.	March.2022
Molecular Weight	44.05 g/mol	Date of Exp.	February.2025

Test	Specification	Result
Description	Colorless liquid	Colorless liquid
Clarity	Clear	Clear
Assay (GC-FID)	≥ 99.0 %	99.04 %
Refractive index at 20 °C	1.331 - 1.333	1.331
Aluminum (ICP)	≤0.50 mg/kg	0.03 mg/kg
Barium (ICP)	≤0.10 mg/kg	<0.01 mg/kg
Bismuth (ICP)	≤0.10 mg/kg	<0.01 mg/kg
Calcium (ICP)	≤0.50 mg/kg	0.02 mg/kg
Cadmium (ICP)	≤0.05 mg/kg	<0.01 mg/kg
Cobalt (ICP)	≤0.02 mg/kg	<0.01 mg/kg
Chromium (ICP)	≤0.02 mg/kg	<0.01 mg/kg
Copper (ICP)	≤0.02 mg/kg	0.01 mg/kg
Identification by ¹ 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 1002811, Lot No: R12800**

Storage Condition: Store at 2 to 8°C.

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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