

Certificate of Analysis

Acetic acid glacial
ACS reagent, ≥99.5%

Product Number	PSR39674	CAS No.	64-19-7
Brand	PureSynth	Lot No.	A39674H0325
Molecular Formula	C ₂ H ₄ O ₂	Date of Mfg.	March,2025
Molecular Weight	60.05 g/mol	Date of Exp.	February,2028

Test	Specification	Result
Appearance	Colorless liquid	Colorless liquid
Assay (By GC)	≥ 99.0 %	99.84 %
Density (at 20°C)	1.052-1.053 g/ml	1.052 g/ml
Boiling range	117 - 119 °C	117.9°C
Residue on Evaporation	NMT 0.0005%	<0.0005%
Water (by KF)	NMT 0.4 %	0.05 %
Silver (Ag)	NMT 0.000001 %	<0.000001 %
Aluminium (Al)	NMT 0.000005 %	<0.000005 %
Arsenic (As)	NMT 0.000001 %	<0.000001 %
Barium (Ba)	NMT 0.000001 %	<0.000001 %
Beryllium (Be)	NMT 0.000001 %	<0.000001 %
Bismuth (Bi)	NMT 0.000001 %	<0.000001 %
Calcium (Ca)	NMT 0.000002 %	<0.000002 %
Cadmium (Cd)	NMT 0.000002 %	<0.000002 %

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Cobalt (Co)	NMT 0.000001 %	<0.000001 %
Chromium (Cr)	NMT 000005 %	<000005 %
Copper (Cu)	NMT 0.000001 %	<0.000001 %
Iron (Fe)	NMT 0.00002 %	<0.00002 %
Germanium (Ge)	NMT 0.000005 %	<0.000005 %
Potassium (K)	NMT 0.00001 %	<0.00001 %
Lithium (Li)	NMT 0.000001 %	<0.000001 %
Magnesium (Mg)	NMT 0.00001 %	<0.00001 %
Manganese (Mn)	NMT 0.000001 %	<0.000001 %
Molybdenum (Mo)	NMT 0.000002 %	<0.000002 %
Sodium (Na)	NMT 0.00005 %	<0.00005 %
Nickel (Ni)	NMT 0.000005 %	<0.000005 %
Lead (Pb)	NMT 0.000002 %	<0.000002 %
Strontium (Sr)	NMT 0.000001 %	<0.000001 %
Titanium (Ti)	NMT 0.000001 %	<0.000001 %
Thallium (Tl)	NMT 0.000005 %	<0.000005 %
Vanadium (V)	NMT 0.000001 %	<0.000001 %
Zinc (Zn)	NMT 0.000005 %	<0.000005 %
Zirconium (Zr)	NMT 0.00001 %	<0.00001 %
Chloride (Cl)	NMT 0.00005 %	<0.00005 %
Phosphate (PO ₄)	NMT 0.00005 %	<0.00005 %
Sulfate (SO ₄)	NMT 0.00005 %	<0.00005 %
Acetaldehyde	NMT 0.0002 %	<0.0002 %
Acetic Anhydride (GC)	NMT 0.01 %	<0.01 %
Soluble with H ₂ O	Complying	Complying

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Acetic anhydride (GC)	NMT 0.01 %	<0.01 %
K ₂ Cr ₂ O ₇ red. matter	complying	complying
APHA	NMT 10	<10

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

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

Approved By
Head - Technical

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