

Certificate of Analysis

Acetonitrile PurSolv for GC-MS

Product Number	PSR39694	CAS No.	75-05-8
Brand	PureSynth	Lot No.	A39694H1123
Molecular Formula	C ₂ H ₃ N	Date of Mfg.	Nov.2023
Molecular Weight	41.05 g/mol	Date of Exp.	Oct.2026

Test	Specification	Result
Appearance	Colorless liquid	Colorless liquid
Assay (By GC)	≥ 99.9 %	99.98 %
Water (By KF)	NMT 0.01 %	0.003 %
Non-volatile matter	NMT 0.0002 %	< 0.0002 %
Free acid (as CH ₃ COOH)	NMT 0.001 %	0.0009 %
Free alkali (as NH ₃)	NMT 0.0001 %	< 0.0001 %
Aluminium (Al)	NMT 0.5 ppm	Conforms
Magnesium (Mg)	NMT 0.1 ppm	Conforms
Strontium (Sr)	NMT 0.1 ppm	Conforms
potassium (K)	NMT 0.05 ppm	Conforms
Lead (Pb)	NMT 0.02 ppm	Conforms
Cadmium (Cd)	NMT 0.05 ppm	Conforms
Barium (Ba)	NMT 0.1 ppm	Conforms
Fluorescence		

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At 254 nm	NMT 0.5 ppb	Conforms
At 365 nm	NMT 0.5 ppb	Conforms
Absorbance		
At 195 nm	NMT 0.097	Conforms
At 200 nm	NMT 0.022	Conforms
At 230 nm	NMT 0.004	Conforms
Suitability for the GC-MS	complying	complying

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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