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CERTIFICATE OF ANALYSIS

Name of the Sample : Acetonitrile for HPLC
Batch No. : 224938
Date of Mfg : Sep 2021
Date of Exp : Aug 2026
Register No. : 2021-22
Qty of Sample : 1 Liter
Date of Analysis : Sep 2021

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	A clear colorless liquid
2.	Assay (by GC)	100 %	Min. 99.8 %
3.	Water (by KF)	0.03 %	Max. 0.05 %
4.	Acidity (as CH ₃ COOH)	0.0001 meq/g	Max. 0.001 %
5.	Non volatile matter	0.0003 %	Max. 0.0005 %
6.	Maximum absorbance gradient elution test at: 210 nm (in mAU)	4.3mAU	Max 10
	254 nm (in mAU)	0.6mAU	Max 5
7.	Transmission (1 cm cell vs H ₂ O) at		
	195 nm	83.3 %	Min. 80 %
	200 nm	94.8 %	Min. 90 %
	210 nm	96.3 %	Min. 95 %
	220 nm	97.8 %	Min. 97 %
	230 nm	98.8 %	Min. 98 %
	240 nm	99.2 %	Min. 99 %

Chief Chemist