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CERTIFICATE OF ANALYSIS

Name of the Sample : Acetonitrile for HPLC
Batch No. : 225843
Date of Mfg : July 2022
Date of Exp : June 2027
Register No. : 2022-23
Qty of Sample : 1 Liter
Date of Analysis : July 2022

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)	0.01%	Max. 0.05 %
4.	Acidity (as CH ₃ COOH)	0.0001 meq/g	Max. 0.001%
5.	Non volatile matter	0.0002%	Max. 0.0005 %
6.	Maximum absorbance gradient elution test at: 210 nm (in mAU)	4.4mAU	Max 10
	254 nm (in mAU)	2.5mAU	Max 5
7.	Transmission (1 cm cell vs H ₂ O) at 195 nm	84.2%	Min. 80 %
	200 nm	96.1%	Min. 90 %
	210 nm	96.5%	Min. 95 %
	220 nm	98.0%	Min. 97 %
	230 nm	98.8%	Min. 98 %
	240 nm	99.2%	Min. 99 %

Chief Chemist