LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Acetonitrile 99.9%
Item Number: CANHPLC
Grade: HPLC
Lot Number: 5001669/1.1
Manufacture Date: 07/28/2025
Expiration Date: 07/27/2030
Country of Origin: United States

Tested Property	Specification	Analysis
Appearance	Clear, colorless liquid free of suspended matter	Pass
Assay by GC-FID, corrected for water	>/= 99.9%	99.97
Color	</= 10 APHA	<5
Residue After Evaporation	</= 1 ppm	<0.1
Titrable Acid	</= 0.008 meq/g	0.0003
Titrable Base	</= 0.0006 meq/g	0.00001
Water by KF Coulometry	</= 0.02%	0.002
LC Gradient elution suitability at 254nm	</= 1 mAU	0.1 mAU
LC Gradient elution suitability at 210nm	</= 5 mAU	1 mAU
Fluorescence at emission max. for imp.	</= 1 ppb at 450 nm	<1
Optical absorbance		
@190 nm	</= 1.00 AU	0.59
@200 nm	</= 0.05 AU	0.02
@210 nm	</= 0.04 AU	0.02
@220 nm	</= 0.02 AU	0.01
@230 nm	</= 0.01 AU	0.005
@254 nm	</= 0.005 AU	0.002
@400 nm	</= 0.005 AU	0.001

Acetonitrile 99.9%

Phone: 512-668-9918, Fax: 512-886-4008,
E-mail: customercare@laballey.com,
www.laballey.com,
12501 Pauls Valley Road, Suite A, Austin, Texas 78737,
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E-mail: customercare@laballey.com,
www.laballey.com,
12501 Pauls Valley Road, Suite A, Austin, Texas 78737,
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