

Certificate of Analysis

Date of Testing: 2022-03-02 10:47:42
 Date of Next Testing: 2026-03-01 10:47:42
 Product Name: **Acetonitrile**
 CAS Number: 75-05-8
 Specifications & Purity: for HPLC, $\geq 99.9\%$
 Lot #: B2225603
 SKU #: **A104440**
Analysis: 066201

Parameter	Limit Values	Result
HPLC-gradient/210 nm	0-5 (mAU)	2.36 mAU
Optical ABS at 190nm	0-1	0.81
Non-volatile matter	0-0.0002 (%)	0.00 %
Water by Karl Fischer	0-0.02 (%)	0.01 %
HPLC-gradient/254 nm	0-5 (mAU)	3.05 mAU
halogenated residue(as heptachlor epoxide)	0-10 (ng/L)	4.42 ng/L
free alkali (as NH ₃)	0-0.0001 (%)	0.00 %
Optical ABS at 254nm	0-0.01	0.00
Refractive index n ₂₀ /D	1.343-1.346	1.34
baseline drift, (210 nm)	0-12 (mAU)	6.32 mAU
free acid (as CH ₃ COOH)	0-0.001 (%)	0.00 %
Density (25°C)	0.775-0.78	0.78
Purity(GC)	99.9-100 (%)	99.90 %
Optical ABS at 200nm	0-0.07	0.07
Optical ABS at 220nm	0-0.02	0.02
Optical ABS at 205nm	0-0.05	0.05
Fluorescence (quinine) at 365 nm	0-0.5 (ppb)	0.49 ppb
Optical ABS at 210nm	0-0.04	0.04
Fluorescence (quinine) at 254 nm	0-0.5 (ppb)	0.31 ppb
Optical ABS at 195nm	0-0.15	0.15
Appearance (A104440)	Clear Colorless Liquid	Clear Colorless Liquid



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager