



CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®

1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
lab.honeywell.com

Brand: Research Chemicals - Riedel-de Haën
Product: 34967-4X4L
Lot No.: EJ321
Production Date: 6-Sep-2024
Best Before: 27-Aug-2026

Acetonitrile
LC-MS CHROMASOLV™, >=99.9%

Parameter	Specification		Result	Units
	Min.	Max.		
Appearance (Color)	Colorless		Colorless	
Appearance (Form)	Liquid		Liquid	
GC Analysis	99.9		99.98	%
Benzene		0.1	<0.1	%
Propionitrile		0.2	<0.2	%
Residue		0.0002	<0.0002	%
Water by Karl Fischer Titration		0.010	0.0009	%
Free Acid (as CH ₃ COOH)		0.001	<0.001	%
Alkalinity (as NH ₃)		0.0001	<0.0001	%
Silver (Ag)		0.1	<0.1	ppm
Aluminum (Al)		0.5	<0.5	ppm
Barium (Ba)		0.1	<0.1	ppm
Bismuth (Bi)		0.1	<0.1	ppm
Calcium (Ca)		0.05	<0.05	ppm
Cadmium (Cd)		0.05	<0.05	ppm
Cobalt (Co)		0.02	<0.02	ppm
Chromium (Cr)		0.02	<0.02	ppm
Copper (Cu)		0.02	<0.02	ppm
Iron (Fe)		0.02	<0.02	ppm
Potassium (K)		0.05	<0.05	ppm
Lithium (Li)		0.1	<0.1	ppm

(Continued on page 2)



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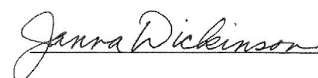
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Parameter	Specification		Result	Units
	Min.	Max.		
Magnesium (Mg)		0.1	<0.1	ppm
Manganese (Mn)		0.02	<0.02	ppm
Molybdenum (Mo)		0.1	<0.1	ppm
Sodium (Na)		0.05	<0.05	ppm
Nickel (Ni)		0.02	<0.02	ppm
Lead (Pb)		0.02	<0.02	ppm
Strontium (Sr)		0.1	<0.1	ppm
Tin (Sn)		0.1	<0.1	ppm
Zinc (Zn)		0.1	<0.1	ppm
UV Transmittance at 195 nm	80		83.9	%
UV Transmittance at 200 nm	95		95.1	%
UV Transmittance at 230 nm	99		99.0	%
UV Absorbance at 195 nm		0.0968	0.0764	AU
UV Absorbance at 200 nm		0.0222	0.0219	AU
UV Absorbance at 230 nm		0.0043	0.0042	AU
HPLC Gradient @ 210 nm		1	<1	mAU
HPLC Gradient @ 254 nm		0.2	<0.2	mAU
HPLC Baseline Drift @ 210 nm		12	<12	mAU
Fluorescence @ 254 nm (as quinine)		0.5	<0.5	ppb
Fluorescence @ 365 nm (as quinine)		0.5	<0.5	ppb
LC-MS Positive Mode (as caffeine)		100	<100	ppb
LC-MS Positive Mode (as reserpine)		50	<50	ppb
LC-MS Negative Mode (4-nitrophenol)		50	<50	ppb
Suitability for the LC-MS	Suitable		Suitable	

Honeywell
Quality Control Approval



Muskegon 9/23/2024 LIMS Sample No.: AP02291