

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

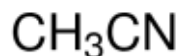
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Acetonitrile – electronic grade, 99.999% trace metals basis

Product Number: 733466
Batch Number: SHBL7467
Brand: ALDRICH
CAS Number: 75-05-8
Formula: C₂H₃N
Formula Weight: 41.05 g/mol
Quality Release Date: 19 NOV 2019



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.9 %	100.0 %
Water (by Karl Fischer)	≤ 0.05 %	< 0.01 %
Residue on Evaporation	≤ 0.0005 %	0.0001 %
Free Acid (as Acetic Acid)	≤ 0.001 %	0.001 %
Trace Metal Analysis	Complete	Complete
Aluminum (Al)	≤ 10 ppb	< 1 ppb
Antimony (Sb)	≤ 10 ppb	< 1 ppb
Arsenic (As)	≤ 10 ppb	< 1 ppb
Barium (Ba)	≤ 10 ppb	< 1 ppb
Beryllium (Be)	≤ 10 ppb	< 1 ppb
Bismuth (Bi)	≤ 10 ppb	< 1 ppb
Boron (B)	≤ 10 ppb	1 ppb
Cadmium (Cd)	≤ 10 ppb	< 1 ppb
Calcium (Ca)	≤ 10 ppb	< 1 ppb
Chromium (Cr)	≤ 10 ppb	< 1 ppb
Cobalt (Co)	≤ 10 ppb	< 1 ppb
Copper (Cu)	≤ 10 ppb	< 1 ppb
Gallium (Ga)	≤ 10 ppb	< 1 ppb
Germanium (Ge)	≤ 10 ppb	< 1 ppb
Gold (Au)	≤ 10 ppb	< 1 ppb
Indium (In)	≤ 10 ppb	< 1 ppb

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

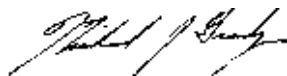
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Number: 733466
Batch Number: SHBL7467

Test	Specification	Result
Iron (Fe)	≤ 10 ppb	< 1 ppb
Lead (Pb)	≤ 10 ppb	< 1 ppb
Lithium (Li)	≤ 10 ppb	< 1 ppb
Magnesium (Mg)	≤ 10 ppb	< 1 ppb
Manganese (Mn)	≤ 10 ppb	< 1 ppb
Molybdenum (Mo)	≤ 10 ppb	< 1 ppb
Nickel (Ni)	≤ 10 ppb	< 1 ppb
Platinum (Pt)	≤ 10 ppb	< 1 ppb
Potassium (K)	≤ 10 ppb	< 1 ppb
Silver (Ag)	≤ 10 ppb	< 1 ppb
Sodium (Na)	≤ 10 ppb	2 ppb
Strontium (Sr)	≤ 10 ppb	< 1 ppb
Thallium (Tl)	≤ 10 ppb	< 1 ppb
Tin (Sn)	≤ 10 ppb	< 1 ppb
Titanium (Ti)	≤ 10 ppb	< 1 ppb
Vanadium (V)	≤ 10 ppb	< 1 ppb
Zinc (Zn)	≤ 20 ppb	< 1 ppb
Zirconium (Zr)	≤ 10 ppb	< 1 ppb



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.