

**ChemPure* Brand
Chemicals**

April 1, 2022

CERTIFICATE OF ANALYSIS *...Pure Quality*

Product Name: **Acetonitrile**

Application: UHPLC-MS, LC-MS, HPLC, Trace, ACS

Product Number: CP-C9725
CAS Number: 75-05-8
Lot Number: SHBP5161CP
Manufactured Date: April 1, 2022

Formula: CH₃CN
Formula Weight: 41.05 g/mol
Density: 0.786 g/cm³
Retest Date: March, 2025
Storage: **RT, Red-Flammable**
DOT/RID/ADR UN 1648 3 / PGII

EC Number: 200-835-2

Test

Appearance (Clarity)
Appearance (Color)
Appearance (Form)
Infrared Spectrum
UV Absorbance 230nm
UV Absorbance 200nm
UV Absorbance 195nm
Water (by Karl Fischer)
Residue on Evaporation
Purity (GC)
Benzene
Propionitrile
Fluorescence 254nm as Quinine
Fluorescence 365nm as Quinine
HPLC Absorbance 210 nm
HPLC Absorbance 254 nm
Baseline Drift 210nm
LCMS: Suitability Confirmed
Alkalinity as NH₃
Free Acid as Acetic Acid
Trace Metal Analysis
Chromium (Cr)
Copper (Cu)
Cobalt (Co)
Aluminum (Al)
Cadmium (Cd)
Calcium (Ca)
Iron (Fe),
Magnesium (Mg)
Manganese (Mn)

Specification

Clear
Colorless
Liquid
Conforms to Structure
< 0.004
< 0.022
< 0.090
< 0.01 %
< 0.0002 %
> 99.92 %
< 0.09 %
< 0.10 %
< 0.5 ppb
< 0.5 ppb
< 0.9 mAU
< 0.2 mAU
< 10 mAU
Suitable
< 0.0001 %
< 0.001 %
Complete
< 15 ppb
< 10 ppb
< 15 ppb
< 20 ppb
< 20 ppb
< 20 ppb
< 20 ppb
< 20 ppb
< 20 ppb
< 20 ppb

Result

Clear
Colorless
Liquid
Conforms
<0.004
0.019
0.061
< 0.01 %
< 0.0001 %
99.99 %
< 0.01 %
0.01 %
0.1 ppb
<0.1 ppb
0.3 mAU
0.1 mAU
6 mAU
Suitable
< 0.0001 %
< 0.001 %
Complete
< 1 ppb
< 1 ppb
< 1 ppb
1 ppb
< 1 ppb
3 ppb
1 ppb
1 ppb
<1 ppb

COA: Page 1 of 2

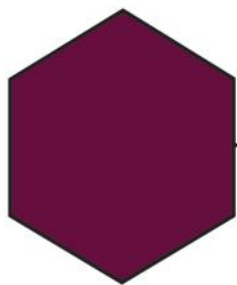
Important: The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE. This information is not intended to be all inclusive as to the manner and conditions of use, handling, storage, disposal, and other factors that may involve other or additional legal, environmental, safety or performance considerations, and CHEMPURE BRAND CHEMICALS assumes no liability whatsoever for the use of or reliance upon this information. Our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, are recommendation to infringe any existing patents or to violate any Federal, State, Local or foreign laws.

It is certified that the above copy is a copy of the actual lot analysis from the manufacturer.

Jorge L. Villanueva, Ph.D., General Manager

SUPPORT@CHEMPUREBRAND.COM - WWW.CHEMPUREBRAND.COM

ChemPure Brand Chemicals • P: 440.725.2802 • F: 734.405.6623 • 39103 Warren Rd., Westland, MI 48185



**ChemPure* Brand
Chemicals**

April 1, 2022

CERTIFICATE OF ANALYSIS *...Pure Quality*

Product Name: **Acetonitrile**

Application: UHPLC-MS, LC-MS, HPLC, Trace, ACS

Product Number: CP-C9725
CAS Number: 75-05-8
Lot Number: SHBP5161CP
Manufactured Date: April 1, 2022

Formula: CH₃CN
Formula Wt: 41.05 g/mol
Density: 0.786 g/cm³
Retest Date: March, 2025
Storage: **RT, Red-Flammable**
DOT/RID/ADR UN 1648 3 / PGII

EC Number: 200-835-2

Test

Nickel (Ni)
Potassium (K)
Silver (Ag)
Sodium (Na)
Tin (Sn)
Zirconium (Zr)

Expiration Date Period 3 Years

Specification

≤ 20 ppb
≤ 20 ppb
≤ 20 ppb
≤ 20 ppb
≤ 20 ppb
≤ 20 ppb

Result

< 1 ppb
1 ppb
<1 ppb
3 ppb
< 1 ppb
< 1 ppb

Important: The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE. This information is not intended to be all inclusive as to the manner and conditions of use, handling, storage, disposal, and other factors that may involve other or additional legal, environmental, safety or performance considerations, and CHEMPURE BRAND CHEMICALS assumes no liability whatsoever for the use of or reliance upon this information. Our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, are recommendation to infringe any existing patents or to violate any Federal, State, Local or foreign laws.

It is certified that the above copy is a copy of the actual lot analysis from the manufacturer.

Jorge L. Villanueva, Ph.D., General Manager

SUPPORT@CHEMPUREBRAND.COM - WWW.CHEMPUREBRAND.COM