

CERTIFICATE OF ANALYSIS ...Pure Quality

Product Name: **Acetonitrile**

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

Product Number:	CP-C9725	Formula:	CH ₃ CN
CAS Number:	75-05-8	Formula Weight:	41.05 g/mol
Lot Number:	SA6472CP	Density:	0.786 g/cm ³
Manufactured Date:	September 10, 2020	Retest Date:	September 10, 2022
MDL No:	MFCD00001878	Storage:	RT, Red-Flammable UN
EC Number:	200-835-2	DOT/RID/ADR	1648 3 / PGII

Test

Specification

Result

Appearance (Clarity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
UV Absorbance 230nm	< 0.004	0.004
UV Absorbance 200nm	< 0.022	0.019
UV Absorbance 195nm	< 0.090	0.066
Water (by Karl Fischer)	< 0.01 %	< 0.01 %
Residue on Evaporation	< 0.0002 %	< 0.0001 %
Purity (GC)	> 99.92 %	100.00 %
Benzene	< 0.09 %	< 0.01 %
Propionitrile	< 0.10 %	< 0.01 %
Fluorescence 254nm as Quinine	< 0.5 ppb	0.1 ppb
Fluorescence 365nm as Quinine	< 0.5 ppb	0.1 ppb
HPLC Absorbance 210 nm	< 0.9 mAU	0.3 mAU
HPLC Absorbance 254 nm	< 0.2 mAU	0.1 mAU
Baseline Drift 210nm	< 10 mAU	2 mAU
LCMS: Suitability Confirmed	Suitable	Suitable
Alkalinity as NH ₃	< 0.0001 %	< 0.0001 %
Free Acid as Acetic Acid	< 0.001 %	< 0.001 %
Trace Metal Analysis	Complete	Complete
Chromium (Cr)	< 15 ppb	< 1 ppb
Copper (Cu)	< 10 ppb	< 1 ppb
Cobalt (Co)	< 15 ppb	< 1 ppb
Aluminum (Al)	< 20 ppb	2 ppb
Cadmium (Cd)	< 20 ppb	< 1 ppb
Calcium (Ca)	< 20 ppb	1 ppb
Iron (Fe),	< 20 ppb	5 ppb
Magnesium (Mg)	< 20 ppb	6 ppb
Manganese (Mn)	< 20 ppb	1 ppb

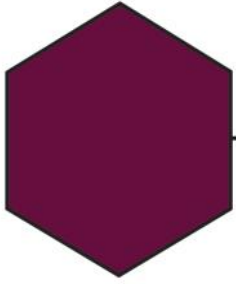
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It is certified that the above copy is a true copy of the actual lot analysis from the manufacturer.

Vyto Mekesa, QC Director

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**ChemPure* Brand
Chemicals**

September 10, 2020

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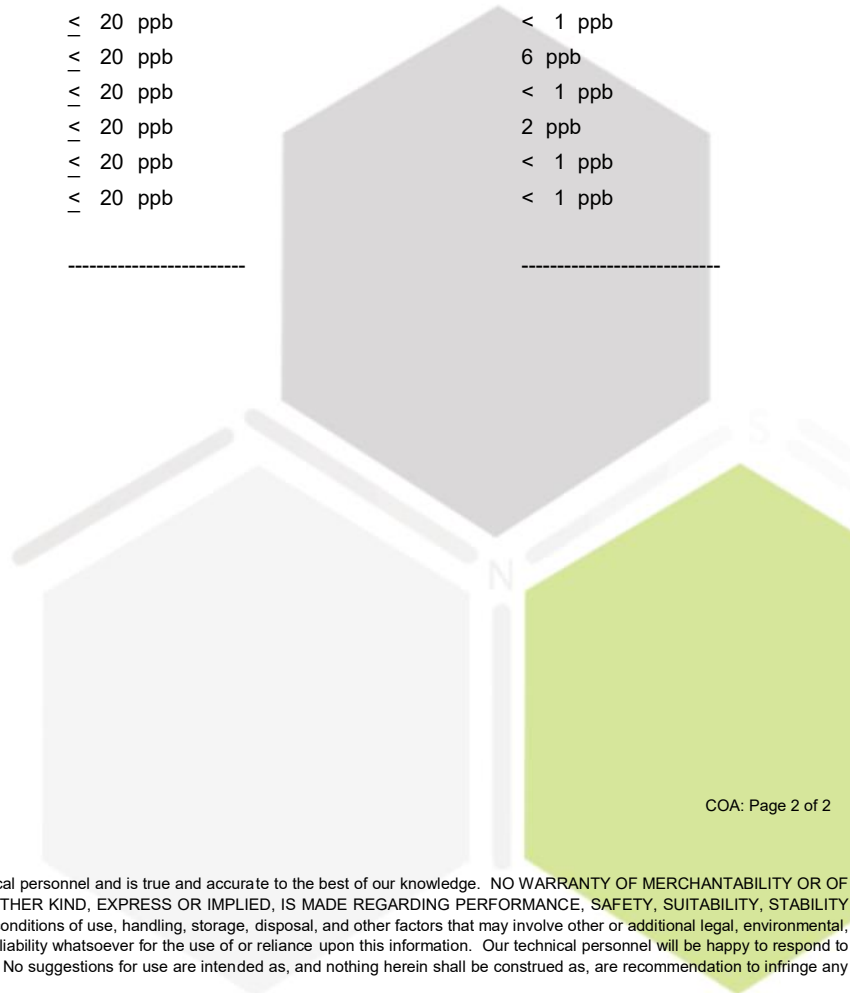
Test

Specification

Result

Nickel (Ni)	< 20 ppb	< 1 ppb
Potassium (K)	< 20 ppb	6 ppb
Silver (Ag)	< 20 ppb	< 1 ppb
Sodium (Na)	< 20 ppb	2 ppb
Tin (Sn)	< 20 ppb	< 1 ppb
Zirconium (Zr)	< 20 ppb	< 1 ppb

Expiration Date Period 2 Years



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