

September 10, 2020

Clear

Liquid

1 ppb

Colorless

CERTIFICATE OF ANALYSIS ... Pure Quality

Product Name: Acetonitrile

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

Product Number: CP-C9725 Formula: CH_3CN CAS Number: 75-05-8 Formula Weight: 41.05 g/mol Lot Number: SA6472CP Density: 0.786 g/cm³

Manufactured Date: September 10, 2020 Retest Date: September 10, 2022 MDL No: MFCD00001878 Storage: September 10, 2022 RT, Red-Flammable UN

EC Number: 200-835-2 DOT/RID/ADR 1648 3 / PGII

Test <u>Specification</u> <u>Result</u>

Appearance (Clarity) Clear Appearance (Color) Colorless Appearance (Form) Liquid Infrared Spectrum Conforms to Structure UV Absorbance 230nm < 0.004 UV Absorbance 200nm < 0.022 UV Absorbance 195nm < 0.090 Water (by Karl Fischer) < 0.01 % Residue on Evaporation < 0.0002 % Purity (GC) > 99.92 % Benzene < 0.09 % Propionitrile < 0.10 % Fluorescence 254nm as Quinine < 0.5 ppb Fluorescence 365nm as Quinine < 0.5 ppb HPLC Absorbance 210 nm < 0.9 mAU HPLC Absorbance 254 nm < 0.2 mAU < 10 mAU Baseline Drift 210nm LCMS: Suitability Confirmed Suitable < 0.0001 % Alkalinity as NH3 Free Acid as Acetic Acid < 0.001 %

Conforms 0.004 0.019 0.066 < 0.01 % < 0.0001 % 100.00 % < 0.01 % < 0.01 % 0.1 ppb 0.1 ppb 0.3 mAU 0.1 mAU 2 mAU Suitable < 0.0001 % < 0.001 % Complete Complete < 1 ppb < 15 ppb < 10 ppb < 1 ppb < 1 ppb < 15 ppb 2 ppb < 20 ppb < 1 ppb < 20 ppb 1 ppb < 20 ppb < 20 ppb 5 ppb < 20 ppb 6 ppb

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< 20 ppb

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

Trace Metal Analysis

Chromium (Cr) Copper (Cu)

Cobalt (Co)

Aluminum (AI)

Cadmium (Cd)

Magnesium (Mg)

Manganese (Mn)

Calcium (Ca)

Iron (Fe),

Vyto Mekesa, QC Director



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Result **Specification Test**

20 ppb < 1 ppb Nickel (Ni) 20 ppb Potassium (K) 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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