



HPC  **molecules**

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In partnership with: HPC Standards GmbH, Am Wieseneck 7, 04451 Cunnernsdorf, Deutschland.

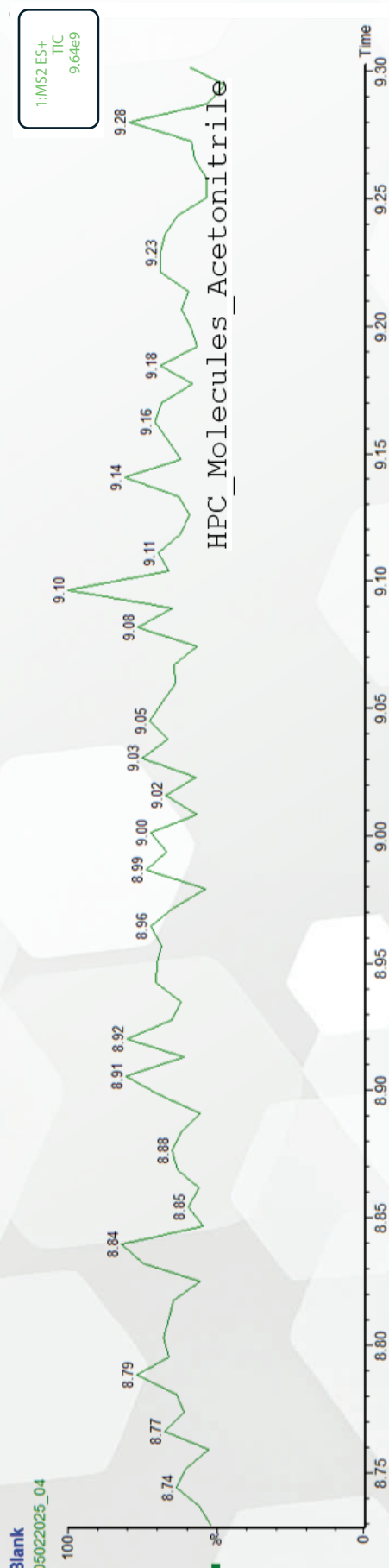
Name: Acetonitrile
Catalog No:

Grade: ULCMS
MOL-A0001.4000

Test Name

Limits

Description-clear colorless liquid free of suspended matter	Passes Test
Assay (by GC-FID)	Min 99.9 %
Color	Max 10.0 APHA
Fluorescence at emission maximum for Impurities at 250 nm	Max 1 ppb
Fluorescence at emission maximum for Impurities at 254 nm	Max 1 ppb
Fluorescence at emission maximum for Impurities at 365 nm	Max 0.5 ppb
Fluorescence at emission maximum for Impurities at 450 nm	Max 1 ppb
LC gradient elution suitability at 254 nm	Max 0.5 mAU
LC gradient elution suitability at 210 nm	Max 1.0 mAU
LC-MS Positive mode-(As Reserpine)	Passes Test
LC-MS Negative mode- (as Nitrophenol)	Passes Test
GC-ECD Responsive residue (Single peak)- (as Heptachlorepoxide)	Max 5.0 ppt
GC-FID Responsive residue (single peak)- (as 2-Octanol)	Max 5.0 ppt
Residue after evaporation	Max 1.0 ppm
Titrate acid	Max 0.0002 meq/g
Titrate base	Max 0.0001 meq/g
Water- (by KF coulometry)	Max 0.001%
Optical absorbance at 190 nm	Max 1.00 AU
Optical absorbance at 193 nm	Max 0.222 AU
Optical absorbance at 195 nm	Max 0.1 AU
Optical absorbance at 200 nm	Max 0.05 AU
Optical absorbance at 210 nm	Max 0.04 AU
Optical absorbance at 220 nm	Max 0.02 AU
Optical absorbance at 230 nm	Max 0.01 AU
Optical absorbance at 235 nm	Max 0.005 AU
Optical absorbance at 250 nm	Max 0.005 AU
Optical absorbance at 400 nm	Max 0.005 AU
Aluminum	Max 500 ppb
Barium	Max 100 ppb
Cadmium	Max 500 ppb
Calcium	Max 100 ppb
Chromium	Max 20 ppb
Cobalt	Max 20 ppb
Copper	Max 10 ppb
Iron	Max 20 ppb
Lead	Max 20 ppb
Magnesium	Max 100 ppb
Manganese	Max 10 ppb
Nickel	Max 20 ppb
Potassium	Max 100 ppb
Silver	Max 100 ppb
Sodium	Max 100 ppb
Tin	Max 100 ppb
Zinc	Max 100 ppb



Name: Methanol **Grade:** ULCMS
Catalog No: MOL-M0001.4000

Test Name

Assay (by GC-FID)
Color
Fluorescence at emission maximum for Impurities- (as Quinine sulfate)
LC gradient elution suitability at 254 nm
GC-ECD Responsive residue (single peak)-(as Heptachlorepoide)
GC-FID Responsive residue (single peak)-(as 2-Octanol)
Residue after evaporation
Titrable acid
Titrable base
Water- (by KF coulometry)
Optical absorbance at 205 nm
Optical absorbance at 210 nm
Optical absorbance at 220 nm
Optical absorbance at 230 nm
Optical absorbance at 240 nm
Optical absorbance at 254 nm
Optical absorbance at 280 nm
Optical absorbance at 400 nm
LC-MS Positive mode- (as Reserpine)
LC-MS Negative mode- (As Nitrophenol)
Aluminum
Barium
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Nickel
Potassium
Silver
Sodium
Tin
Zinc

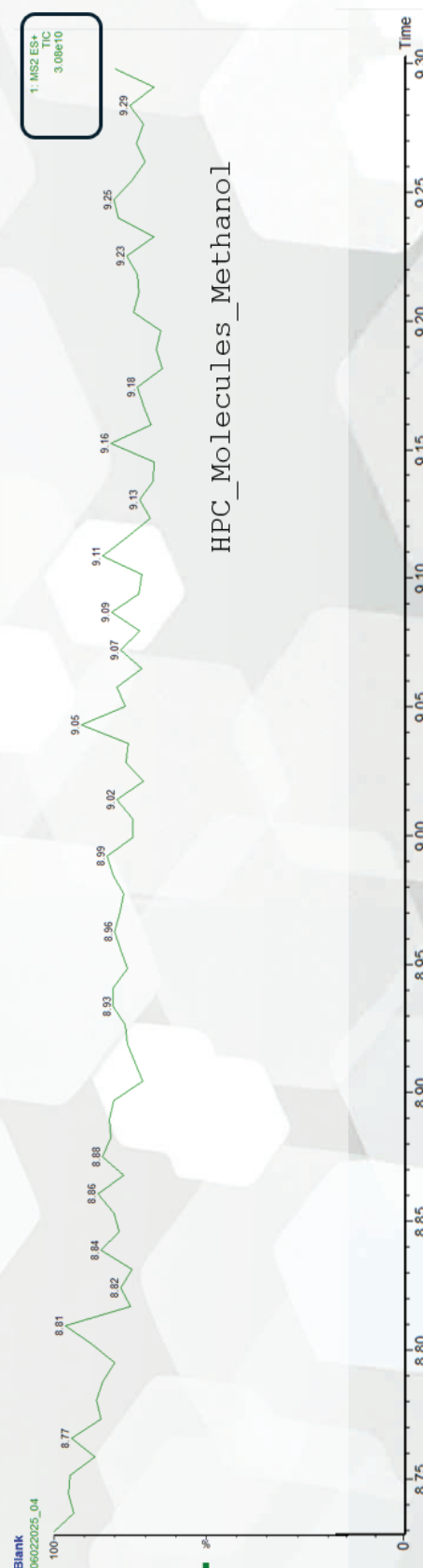
Limits

Min 99.9 %
Max 10 APHA
Max 1.0 ppb

Max 2.0 mAU
Max 5.0 ppt

Max 5.0 ppb

Max 1.0 ppm
Max 0.0003 meq/g
Max 0.0002 meq/g
Max 0.02 %
Max 1.00 AU
Max 0.5 AU
Max 0.25 AU
Max 0.12 AU
Max 0.05 AU
Max 0.01 AU
Max 0.005 AU
Max 0.005 AU
Max 50.0 ppb
Max 50.0 ppb
Max 500 ppb
Max 100 ppb
Max 500 ppb
Max 100 ppb
Max 20 ppb
Max 20 ppb
Max 10 ppb
Max 100 ppb
Max 20 ppb
Max 100 ppb
Max 100 ppb
Max 100 ppb
Max 100 ppb
Max 100 ppb
Max 100 ppb



Name: Water **Grade:** ULCMS
Catalog No: MOL-W0001.4000

Test Name	Limits
Description-clear colorless liquid free of suspended matter	Passes Test
Color (APHA Pt-Co)	Max 5 APHA
Residue after evaporation	Max 0.0001% w/w
Acidity (as Acetic acid)	Max 0.0002%
Alkalinity (as Ammonia)	Max 0.00005%
TOC	Max 10 ppb
UHPLC/MS ESI/APCI+ (as Reserpine)	Max 5 ppb
UHPLC/MS ESI/APCI- (as Reserpine)	Max 20 ppb
UV Absorbance. 200 (Vs. air)	Max 0.001 AU
UV Absorbance. 210 (Vs. air)	Max 0.001 AU
UV Absorbance. 230 (Vs. air)	Max 0.0005 AU
Grad. Elution H. Peak at 210 nm	Max 0.001 AU
Grad. Elution drift at 210 nm	Max 0.008 AU
Grad. Elution H. Peak at 254 nm	Max 0.0005 AU
Grad. Elution drift at 254 nm	Max 0.005 AU
Fluorescence 254nm (as Quinine)	Max 0.3 ppb
Fluorescence 365nm (as Quinine)	Max 0.3 ppb
Aluminum	Max 20 ppb
Barium	Max 20 ppb
Bismuth	Max 20 ppb
Calcium	Max 50 ppb
Cadmium	Max 30 ppb
Cobalt	Max 20 ppb
Chromium	Max 20 ppb
Iron	Max 30 ppb
Potassium	Max 50 ppb
Lithium	Max 30 ppb
Magnesium	Max 20 ppb
Manganese	Max 20 ppb
Molybdenum	Max 50 ppb
Sodium	Max 50 ppb
Nickel	Max 20 ppb
Lead	Max 20 ppb
Tin	Max 50 ppb
Silver	Max 50 ppb
Strontium	Max 30 ppb
Zinc	Max 50 ppb
Nitrate	Max 0.1 ppm

HPC-molecules GC-Ultra trace Solvents

For Analysis of – OVI /Residual Solvent Analysis

Our high purity solvents are suitable for all high sensitive instruments for Gas Chromatography applications GC-FID , GC-EDC and GC-MS to ensure exceptional low background and peak free baseline.

- Dioxins and Furans (PCDD/PCDF) in all food products.
- Polycyclic Aromatic Hydrocarbons (PAH) in oils
- Pesticide analysis in fruits and vegetables.
- Determination of drugs (cocaine, cannabis, ecstasy, heroine, alcohol)
- Analysis of phthalates



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New Products

NAME OF THE PRODUCT	GRADE	PACK SIZE
Tetra-hydrofuran (THF)	ULCMS	1L
Iso-Octane	GC-Ultra trace	1L
Toulene	GC-Ultra trace	1L
Dichloromethane	GC-Ultra trace	1L
n-Hexane	GC-Ultra trace	1L
Acetonitrile	GC-Ultra trace	1L
Chloroform	GC-Ultra trace	1L
Ethyl Acetate	GC-Ultra trace	1L



- Unmatched Purity & Consistency
- Extensive Portfolio of Solvents
- Low Background Interference
- Dedicated Technical Support
- Ready Stocks in India



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analytical lab solutions pvt ltd

DELIVERING NICHEMISTRY

Molecules Analytical Lab Solutions Pvt Ltd proudly announces its collaboration with HPC Standards GmbH, a global leader in Certified Reference Materials (CRMs) and Analytical Reference Standards since 2011. Together, we are launching a premium range of High-Purity Solvents for ULCMS, HPLC, and GC applications.

Our solvents are engineered to deliver the lowest Noise-to-Signal Ratio in the industry, ensuring unparalleled accuracy and reliability for your analytical needs.

By combining our strengths, we aim to deliver enhanced solutions that drive efficiency, quality, and sustainability across industries. This partnership reflects our shared commitment to innovation and our dedication to meeting the evolving needs of our customers. Together, we're paving the way for impactful advancements in solvents and setting new standards in the industry. Stay tuned for updates as we continue to innovate and grow together!

Why Choose Us?

- ✓ Customer-Centric Approach
- ✓ Assured Germany Quality
- ✓ Trusted Partner
- ✓ Industry Expertise
- ✓ Organisational Excellence

Need a sample for validation?

We at HPC-molecules believe that trust builds by the virtue of action than words. Want to try our products?

GET IN TOUCH WITH US



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German Quality

