



Certificate of Analysis.

Acetonitrile for trace metal speciation analysis, LC-ICP MS

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| Product code: | BS13780. |
| Description: | Acetonitrile for trace metal speciation analysis, LC-ICP MS. |
| Chemical Name: | Methyl Cyanide. |
| Pack: | 1 lit. |
| CAS NO.: | 75-05-8. |
| Mol. Weight: | 41.05 g/mol. |
| Mol. Formula: | C₂H₃N. |
| MDL Number: | MFCD00001878. |
| Melting point: | -46°C. |
| Boiling Point: | 82°C. |
| Density: | 0.78 g/cm³. |
| Solubility: | Soluble in acetone. |
| Storage: | Store at ambient temperature. |
| LOT NO.: | Sample. |
| Manufacture Date: | Lot specific. |
| Expiry Date: | 5 years. |

| Test | Specification | Measured Values |
|-----------------------|-------------------------|----------------------|
| Appearance: | Colorless clear liquid. | Lot specific. |
| water (Karl Fischer): | Max. 0.01 %. | Lot specific. |
| silver (Ag): | Max. 0.5 ppb. | Lot specific. |
| aluminium (Al): | Max. 1 ppb: | Lot specific. |
| arsenic (As): | Max. 1 ppb. | Lot specific. |
| gold (Au): | Max. 0.5 ppb. | Lot specific. |
| barium (Ba): | Max. 0.5 ppb. | Lot specific. |
| beryllium (Be): | Max. 0.5 ppb. | Lot specific. |
| bismuth (Bi): | Max. 0.5 ppb. | Lot specific. |
| calcium (Ca): | Max. 20 ppb. | Lot specific. |
| cadmium (Cd): | Max. 0.5 ppb. | Lot specific. |
| cerium (Ce): | Max. 0.5 ppb. | Lot specific. |
| cobalt (Co): | Max. 0.5 ppb. | Lot specific. |
| chromium (Cr): | Max. 1 ppb. | Lot specific. |
| cesium (Cs): | Max. 0.5 ppb. | Lot specific. |
| copper (Cu): | Max. 1 ppb. | Lot specific. |
| iron (Fe): | Max. 1 ppb. | Lot specific. |
| gallium (Ga): | Max. 0.5 ppb. | Lot specific. |



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| germanium (Ge): | Max. 0.5 ppb. | Lot specific. |
| mercury (Hg): | Max. 0.5 ppb. | Lot specific. |
| indium (In): | Max. 0.5 ppb. | Lot specific. |
| iridium (Ir): | Max. 0.5 ppb. | Lot specific. |
| potassium (K): | Max. 10 ppb. | Lot specific. |
| lithium (Li): | Max. 0.5 ppb. | Lot specific. |
| magnesium (Mg): | Max. 1 ppb. | Lot specific. |
| manganese (Mn): | Max. 0.5 ppb. | Lot specific. |
| molybdenum (Mo): | Max. 0.5 ppb. | Lot specific. |
| sodium (Na): | Max. 50 ppb. | Lot specific. |
| nickel (Ni): | Max. 1 ppb. | Lot specific. |
| lead (Pb): | Max. 0.5 ppb. | Lot specific. |
| palladium (Pd): | Max. 0.5 ppb. | Lot specific. |
| platinum (Pt): | Max. 0.5 ppb. | Lot specific. |
| rubidium (Rb): | Max. 0.5 ppb. | Lot specific. |
| rhodium (Rh): | Max. 0.5 ppb. | Lot specific. |
| ruthenium (Ru): | Max. 0.5 ppb. | Lot specific. |
| antimony (Sb): | Max. 0.5 ppb. | Lot specific. |
| selenium (Se): | Max. 1 ppb. | Lot specific. |
| tin (Sn): | Max. 0.5 ppb. | Lot specific. |
| strontium (Sr): | Max. 0.5 ppb. | Lot specific. |
| titanium (Ti): | Max. 1 ppb. | Lot specific. |
| thallium (Tl): | Max. 0.5 ppb. | Lot specific. |
| vanadium (V): | Max. 0.5 ppb. | Lot specific. |
| zinc (Zn): | Max. 1 ppb. | Lot specific. |
| zirconium (Zr): | Max. 0.5 ppb. | Lot specific. |
| bromide (Br): | Max. 10 ppb. | Lot specific. |
| chloride (Cl): | Max. 25 ppb. | Lot specific. |
| fluoride (F): | Max. 10 ppb. | Lot specific. |
| iodide (I): | Max. 10 ppb. | Lot specific. |
| nitrite (NO ₂): | Max. 10 ppb. | Lot specific. |
| nitrate (NO ₃): | Max. 25 ppb. | Lot specific. |
| phosphate (PO ₄): | Max. 10 ppb. | Lot specific. |
| sulfate (SO ₄): | Max. 10 ppb. | Lot specific. |
| transmittance at 195 nm: | Min. 80 %. | Lot specific. |
| transmittance at 200 nm: | Min. 95 %. | Lot specific. |
| transmittance at 230 nm: | Min. 99 %. | Lot specific. |
| Purity by GC: | ≥99.9%. | Lot specific. |



Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.

CH_3CN



Dr. K. Deepti.
Technical Head.

