

Certificate of Analysis

Product Name:

Water PurSolv Ultra Nitrite Free for LC-MS [NF]

Product No.: PSR42497
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7732-18-5
Molecular Formula: H₂O
Molecular Weight: 18.01g/mol
Date of Mfg.: NA
Date of Exp.: NA

| Test | Specification | Result |
|---------------------------------|------------------|------------------|
| Appearance | Colorless Liquid | Colorless Liquid |
| Non-volatile matter | NMT 1ppm | <1ppm |
| Silver (Ag) | NMT 0.1ppm | <0.1ppm |
| Aluminum (Al) | NMT 0.5ppm | <0.5ppm |
| Barium (Ba) | NMT 0.1ppm | <0.1ppm |
| Calcium (Ca) | NMT 0.1ppm | <0.1ppm |
| Cadmium (Cd) | NMT 0.05ppm | <0.05ppm |
| Cobalt (Co) | NMT 0.02ppm | <0.02ppm |
| Chromium (Cr) | NMT 0.02ppm | <0.02ppm |
| Copper (Cu) | NMT 0.02ppm | <0.02ppm |
| Iron (Fe) | NMT 0.1ppm | <0.1ppm |
| Potassium (K) | NMT 0.1ppm | <0.1ppm |
| Magnesium (Mg) | NMT 0.1ppm | <0.1ppm |
| Manganese (Mn) | NMT 0.02ppm | <0.02ppm |
| Sodium (Na) | NMT 0.1ppm | <0.1ppm |
| Nickel (Ni) | NMT 0.02ppm | <0.02ppm |
| Lead (Pb) | NMT 0.1ppm | <0.1ppm |
| Tin (Sn) | NMT 0.1ppm | <0.1ppm |
| Zinc (Zn) | NMT 0.1ppm | <0.1ppm |
| Chloride (Cl) | NMT 0.01ppm | <0.01ppm |
| Fluoride (F) | NMT 0.01ppm | <0.01ppm |
| Sulfate (SO ₄) | NMT 0.1ppm | <0.1ppm |
| HPLC Gradient at 210nm | NMT 5mAU | <5mAU |
| HPLC Gradient at 254nm | NMT 1mAU | <1mAU |
| Suitability for the LC-MS | Complying | Complying |
| Fluorescence (chin in) at 254nm | NMT 1ppb | <1ppb |
| Fluorescence (chin in) at 365nm | NMT 1ppb | <1ppb |

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

64683 Einhausen Marie-Curie-Straße. 3, Germany
Website: www.pure-synth.com
Phone: 1800-8908-260
Email: info@pure-synth.com

| | | |
|-----------------------------|--------------|----------|
| Absorbance at 210nm | NMT 0.022 | <0.022 |
| Absorbance at 230nm | NMT 0.004 | <0.004 |
| Transmittance at 210nm | >95.0 % | >95.0 % |
| Transmittance at 230nm | >99.0 % | >99.0 % |
| Nitrate (-NO ₃) | Not Detected | Conforms |
| Nitrite (-NO ₂) | Not Detected | Conforms |

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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