

LabKings B.V
Utrechtseweg 5
1213TK Hilversum
The Netherlands

Catalog No: LK1-CB163100-01-250
Lot No: 1093067
Storage: Ambient
Matrix: 2% HNO₃ + 0.1% HF
Description: LK1-CB163100-01-250, 250 mL, ICP-MS 1 mg/L in 2% HNO₃ + 0.1% HF

Date Received _____
Certification Date 23-Jun-2016
Expiration Date 25-Dec-2017

Comment:

| Element | Symbol | CAS No. | Source Lot No. | Purity % | Concentration mg/L |
|------------|--------|-----------|----------------|----------|--------------------|
| Silver | Ag | 7440-22-4 | 7000.29.2P | 99.999 | 10 +/- .04 |
| Arsenic | As | 7440-38-2 | 7002.409.1P | 99.9999 | 10 +/- .03 |
| Aluminum | Al | 7429-90-5 | 7001.46.8P | 99.9995 | 10 +/- .04 |
| Barium | Ba | 7440-39-3 | 7004.29.4P | 99.997 | 10 +/- .03 |
| Beryllium | Be | 7440-41-7 | 7005.409.1P | 99.996 | 10 +/- .03 |
| Bismuth | Bi | 7440-69-9 | 7040.117.1P | 99.999 | 10 +/- .03 |
| Boron | B | 7440-42-8 | 7003.409.1P | 99.999 | 10 +/- .03 |
| Cadmium | Cd | 7440-43-9 | 7007.409.1P | 99.9999 | 10 +/- .03 |
| Cobalt | Co | 7440-48-4 | 7008.409.1P | 99.999 | 10 +/- .03 |
| Chromium | Cr | 7440-47-3 | 7009.409.1.1 | 99.99 | 10 +/- .03 |
| Cesium | Cs | 7440-46-2 | 7010.46.9P | 99.999 | 10 +/- .03 |
| Copper | Cu | 7440-50-8 | 7011.46.5P | 99.9995 | 10 +/- .03 |
| Iron | Fe | 7439-89-6 | 7012.409.1P | 99.99 | 10 +/- .03 |
| Gallium | Ga | 7440-55-3 | 7046.46.2P | 99.9999 | 10 +/- .03 |
| Germanium | Ge | 7440-56-4 | 7111.29.1P | 99.999 | 10 +/- .03 |
| Potassium | K | 7440-09-7 | 7013.409.1P | 99.999 | 10 +/- .03 |
| Lithium | Li | 7439-93-2 | 7015.409.1P | 99.9999 | 10 +/- .03 |
| Magnesium | Mg | 7439-95-4 | 7016.409.1P | 99.99 | 10 +/- .03 |
| Manganese | Mn | 7439-96-5 | 7017.46.5P | 99.95 | 10 +/- .03 |
| Molybdenum | Mo | 7439-98-7 | 7018.29.3P | 99.999 | 10 +/- .03 |
| Sodium | Na | 7440-23-5 | 7020.46.7P | 99.999 | 10 +/- .03 |
| Nickel | Ni | 7440-02-0 | 7021.409.1P | 99.995 | 10 +/- .03 |
| Lead | Pb | 7439-92-1 | 7023.29.3P | 99.999 | 10 +/- .03 |
| Rubidium | Rb | 7440-17-7 | 7220.409.1P | 99.99 | 10 +/- .03 |
| Selenium | Se | 7782-49-2 | 7027.409.1P | 99.9998 | 10 +/- .03 |

This standard was manufactured by a laboratory accredited to ISO/IEC 17025:2005 (certificate number 3031.01) by the American Association of Laboratory Accreditation (A2LA). The manufacturer's quality system is audited and registered by NSF-ISR to ISO 9001:2008 (certificate number IZ391-IS4).



Certified By: _____

Shane Overcash

This standard was prepared gravimetrically using balances calibrated with NIST traceable weights (NIST Test Number 822/264157-00). Only calibrated Class A volumetric glassware was used to prepare this standard. The concentration and uncertainty of this standard are calculated based on the weight and volumes used in the manufacturing process. The uncertainty value is calculated for a 95% confidence interval with a k value of 2. Sub-boiled distilled acid and 18 megaohm deionized water were used to stabilize the product. All raw materials were checked for stoichiometry and purity prior to use. This standard has been spectrometrically certified by an independent source, which is directly traceable to NIST.

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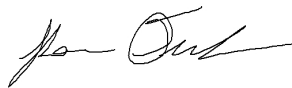
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| Strontium | Sr | 7440-24-6 | 7030.409.1P | 99.999 | 10 +/- .03 |
| Tellurium | Te | 10605-80-9 | 7069.46.1P | 99.999 | 10 +/- .03 |
| Thallium | Tl | 7440-28-0 | 7034.29.6P | 99.99 | 10 +/- .03 |
| Uranium | U | 7440-61-1 | 7035.330.1P | 99.8 | 10 +/- .03 |
| Vanadium | V | 7440-62-2 | 7036.409.1P | 99.999 | 10 +/- .03 |
| Zinc | Zn | 7440-66-6 | 7037.409.1P | 99.9998 | 10 +/- .03 |
| Calcium | Ca | 7440-70-2 | 7006.409.2P | 99.998 | 100 +/- .3 |

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