

Drinking water - Certified Reference Material for trace metals and other constituents

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|-----------------|-----------------------------------|
| Art. ID | NRC-CRM-AQUA-1 |
| Unit | 200 mL |
| Deliverydetails | No Dangerous Good /not restricted |

Description

Instrumental method of analyte determination: a - Isotope dilution inductively-coupled plasma mass spectrometry (ID-ICP-MS) /// b - Standard addition inductively-coupled plasma mass spectrometry (SA-ICP-MS) /// c - Inductively-coupled plasma mass spectrometry (ICP-MS) /// d - Standard addition inductively-coupled plasma atomic emission spectroscopy (SA-ICP-AES) /// e - Hydride generation ICP-MS ///

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|-------------------|---------------------------------|-------------|---------------------|-------|-----------|--------|
| Certified value | Aluminium (Al) | [7429-90-5] | 54,6 ± 1,6 | µg/kg | (b,c,d) | |
| Certified value | Antimony (Sb) | [7440-36-0] | 0,0683 ± 0,0056 | µg/kg | (a,b) | |
| Certified value | Arsenic (As) | [7440-38-2] | 0,222 ± 0,014 | µg/kg | (b,c) | |
| Certified value | Barium (Ba) | [7440-39-3] | 11,88 ± 0,36 | µg/kg | (a,b,c,d) | |
| Certified value | Cadmium (Cd) | [7440-43-9] | 0,0044 ± 0,0014 | µg/kg | (a,b) | |
| Certified value | Calcium (Ca) | [7440-70-2] | 8250 ± 140 | µg/kg | (c,d) | |
| Certified value | Chromium (Cr) | [7440-47-3] | 0,087 ± 0,008 | µg/kg | (a,b,c) | |
| Certified value | Cobalt (Co) | [7440-48-4] | 0,0271 ± 0,0028 | µg/kg | (b,c) | |
| Certified value | Copper (Cu) | [7440-50-8] | 7,46 ± 0,12 | µg/kg | (a,b,c,d) | |
| Certified value | Iron (Fe) | [7439-89-6] | 38,0 ± 1,2 | µg/kg | (a,b,c,d) | |
| Certified value | Lead (Pb) | [7439-92-1] | 1,365 ± 0,034 | µg/kg | (a,b,c) | |
| Certified value | Magnesium (Mg) | [7439-95-4] | 1945 ± 40 | µg/kg | (a,c,d) | |
| Certified value | Manganese (Mn) | [7439-96-5] | 2,42 ± 0,08 | µg/kg | (b,c,d) | |
| Certified value | Molybdenum (Mo) | [7439-98-7] | 0,189 ± 0,008 | µg/kg | (a,b) | |
| Certified value | Nickel (Ni) | [7440-02-0] | 0,447 ± 0,030 | µg/kg | (a,b,c,d) | |
| Certified value | Potassium (K) | [7440-09-7] | 670 ± 10 | µg/kg | (b,c,d) | |
| Certified value | Sodium (Na) | [7440-23-5] | 13 730 ± 340 | µg/kg | (b,c,d) | |
| Certified value | Strontium (Sr) | [7440-24-6] | 36,05 ± 0,48 | µg/kg | (a,b,c,d) | |
| Certified value | Uranium (U) | [7440-61-1] | 0,006 96 ± 0,000 52 | µg/kg | (a,b) | |
| Certified value | Vanadium (V) | [7440-62-2] | 0,152 ± 0,008 | µg/kg | (a,b,c) | |
| Certified value | Zinc (Zn) | [7440-66-6] | 0,97 ± 0,08 | µg/kg | (a,b,c) | |
| Information value | Inorganic arsenic (iAs) | | 0,124 | µg/kg | (e) | |
| Information value | Monomethylarsenic (as As) s) | | 0,036 | µg/kg | (e) | |
| Information value | Dimethylarsenic (as As) | | 0,028 | µg/kg | (e) | |
| Information value | Trimethylarsenic (as As) | | 0,01 | µg/kg | (e) | |

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