



Centre de toxicologie / INSPQ

# Biological Reference Material

## - Evaluation Report -

### QM-H-Q2518

Biological matrix : Hair

Date of publication :  
Expiration date : 2030-03-11

| MATERIAL NUMBER | Biological matrix | ANALYTE       | ASSIGNED VALUE | UNIT   | STANDARD UNCERTAINTY * | N  |
|-----------------|-------------------|---------------|----------------|--------|------------------------|----|
| QM-H-Q2518      | Hair              | Aluminum      | 138            | µg/g   | 2.41                   | 23 |
|                 |                   | Antimony      | 1.77           | µg/g   | 0.0325                 | 21 |
|                 |                   | Barium        | 6.20           | µg/g   | 0.111                  | 22 |
|                 |                   | Bismuth       | 3.46           | µg/g   | 0.0634                 | 16 |
|                 |                   | Cadmium       | 6.88           | µg/g   | 0.0888                 | 26 |
|                 |                   | Chromium      | 8.86           | µg/g   | 0.149                  | 27 |
|                 |                   | Cobalt        | 4.28           | µg/g   | 0.0774                 | 24 |
|                 |                   | Manganese     | 6.37           | µg/g   | 0.160                  | 26 |
|                 |                   | Mercury       | 2.22           | µg/g   | 0.0797                 | 30 |
|                 |                   | Molybdenum    | 1.25           | µg/g   | 0.0232                 | 23 |
|                 |                   | Nickel        | 5.93           | µg/g   | 0.105                  | 23 |
|                 |                   | Platinum      | 0.104          | µg/g   | 0.00350                | 12 |
|                 |                   | Silver        | 2.75           | µg/g   | 0.0586                 | 18 |
|                 |                   | Tellurium     | 1.35           | µg/g   | 0.0571                 | 8  |
|                 |                   | Thallium      | 0.359          | µg/g   | 0.00847                | 21 |
|                 |                   | Thorium       | 4.96           | µg/g   | 0.292                  | 11 |
|                 |                   | Tin           | 8.64           | µg/g   | 0.443                  | 18 |
|                 |                   | Total arsenic | 1.87           | µg/g   | 0.0329                 | 29 |
|                 |                   | Uranium       | 1.15           | µg/g   | 0.0308                 | 17 |
|                 | Vanadium          | 1.03          | µg/g           | 0.0153 | 21                     |    |
|                 | Hair              | Beryllium     | 0.592          | µg/g   | 0.0128                 | 19 |
|                 |                   | Copper        | 201            | µg/g   | 3.18                   | 24 |
|                 |                   | Iodide        | 6.35           | µg/g   | 0.743                  | 9  |
| Lead            |                   | 8.55          | µg/g           | 0.142  | 28                     |    |
| Selenium        |                   | 6.97          | µg/g           | 0.253  | 25                     |    |
| Zinc            |                   | 565           | µg/g           | 14.4   | 22                     |    |

\* Standard uncertainty (µx): characteristic of the dispersion of results used to calculate the assigned value; expressed in the same format as the standard deviation.