

## **Nickel Ore, CRM, Laterite Nickel Ore, Powder**

Art. ID GEO-GBM309-6  
 Unit 250 g (powder)  
 Deliverydetails No Dangerous Good /not restricted

| Text/Information                        | Analyte/Parameter | CAS number  | Concentration/Value | Unit | Method                      | Source |
|---|-------------------|-------------|---------------------|------|-----------------------------|--------|
| Certified value                         | Nickel (Ni)       | [7440-02-0] | 1,6113              | %    |                             |        |
| Certified value                         | Copper (Cu)       | [7440-50-8] | 0,0277              | %    |                             |        |
| Certified value                         | Zinc (Zn)         | [7440-66-6] | 0,1344              | %    |                             |        |
| Certified value                         | Lead              | [7439-92-1] | 0,0341              | %    |                             |        |
| Certified value                         | Arsenic (As)      | [7440-38-2] | 0,0018              | %    |                             |        |
| Certified value                         | Cobalt (Co)       | [7440-48-4] | 0,0909              | %    |                             |        |
| Certified value                         | Silver (Ag)       | [7440-22-4] | 0,0000001           | %    |                             |        |
| Single analysis only -<br>Not certified | Antimony (Sb)     | [7440-36-0] | 0,00012             | %    | Neutron activation analyses |        |
| Single analysis only -<br>Not certified | Arsenic (As)      | [7440-38-2] | 0,0019              | %    | Neutron activation analyses |        |
| Single analysis only -<br>Not certified | Barium (Ba)       | [7440-39-3] | 0,0093              | %    | Neutron activation analyses |        |
| Single analysis only -<br>Not certified | Bromine (Br)      | [7726-95-6] | 0,0018              | %    | Neutron activation analyses |        |
| Single analysis only -<br>Not certified | Cadmium (Cd)      | [7440-43-9] | 0,0009              | %    | Neutron activation analyses |        |
| Single analysis only -<br>Not certified | Cerium (Ce)       | [7440-45-1] | 0,0012              | %    | Neutron activation analyses |        |
| Single analysis only -<br>Not certified | Caesium (Cs)      | [7440-46-2] | 0,00007             | %    | Neutron activation analyses |        |
| Single analysis only -<br>Not certified | Chromium (Cr)     | [7440-47-3] | 1,03                | %    | Neutron activation analyses |        |

|   |                 |             |           |   |                             |
|---|-----------------|-------------|-----------|---|-----------------------------|
| Single analysis only -<br>Not certified | Cobalt (Co)     | [7440-48-4] | 0,099     | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Europium (Eu)   | [7440-53-1] | 0,00014   | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Gold (Au)       | [7440-57-5] | 0,003     | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Hafnium (Hf)    | [7440-58-6] | <0,0001   | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Iridium (Ir)    | [7439-88-5] | <0,000002 | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Iron (Fe)       | [7439-89-6] | 17,3      | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Lanthanum (La)  | [7439-91-0] | 0,0022    | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Lutetium (Lu)   | [7439-94-3] | 0,00004   | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Molybdenum (Mo) | [7439-98-7] | <0,00035  | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Nickel (Ni)     | [7440-02-0] | 1,57      | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Rubidium (Rb)   | [7440-17-7] | 0,0012    | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Samarium (Sm)   | [7440-19-9] | 0,00047   | % | Neutron activation analyses |
| Single analysis only -<br>Not certified | Scandium (Sc)   | [7440-20-2] | 0,0018    | % | Neutron activation analyses |

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|------------------------|----------------|--------------|---------|---|-----------------------------|
| Single analysis only - | Selenium (Se)  | [7782-49-2]  | <0,0001 | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Sodium (Na)    | [7440-23-5]  | 0,33    | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Tantalum (Ta)  | [7440-25-7]  | 0,00003 | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Tellurium (Te) | [13494-80-9] | <0,001  | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Terbium (Tb)   | [7440-27-9]  | 0,0001  | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Thorium (Th)   | [7440-29-1]  | 0,00016 | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Tin            | [7440-31-5]  | <0,015  | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Tungsten (W)   | [7440-33-7]  | 0,0003  | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Uranium (U)    | [7440-61-1]  | 0,00027 | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Ytterbium (Yb) | [7440-64-4]  | 0,00028 | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Zinc (Zn)      | [7440-66-6]  | 0,13    | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Zirconium (Zr) | [7440-67-7]  | <0,01   | % | Neutron activation analyses |
| Not certified          |                |              |         |   |                             |
| Single analysis only - | Silver (Ag)    | [7440-22-4]  | 0,00005 | % | Neutron activation analyses |

|                  |                                     |             |       |   |                  |
|------------------|-------------------------------------|-------------|-------|---|------------------|
| Not certified    |                                     |             |       |   |                  |
| Indicative value | Iron (Fe)                           | [7439-89-6] | 19    | % | Fusion / X<br>RF |
| Indicative value | SiO <sub>2</sub>                    |             | 31,13 | % | Fusion / X<br>RF |
| Indicative value | Al <sub>2</sub> O <sub>3</sub>      |             | 4,52  | % | Fusion / X<br>RF |
| Indicative value | TiO <sub>2</sub>                    |             | 0,21  | % | Fusion / X<br>RF |
| Indicative value | MnO                                 |             | 0,42  | % | Fusion / X<br>RF |
| Indicative value | CaO                                 |             | 7,67  | % | Fusion / X<br>RF |
| Indicative value | Phosphorus (P)                      | [7723-14-0] | 0,012 | % | Fusion / X<br>RF |
| Indicative value | Sulfur (S)                          | [7704-34-9] | 3,01  | % | Fusion / X<br>RF |
| Indicative value | MgO                                 | [1309-48-4] | 6,01  | % | Fusion / X<br>RF |
| Indicative value | K <sub>2</sub> O                    |             | 0,13  | % | Fusion / X<br>RF |
| Indicative value | Na <sub>2</sub> O                   |             | 0,45  | % | Fusion / X<br>RF |
| Indicative value | Loss on Ignition (L.O.I.) (1000 °C) |             | 11,22 | % |                  |