

### Lateritic scandium (nickel-cobalt) ore

Art. ID OREAS-198-10G  
Unit 10 g (powder)  
Deliverydetails No Dangerous Good /not restricted

| Text/Information | Analyte/Parameter                  | CAS number  | Concentration/Value | Unit | Method                       | Source |
|------------------|------------------------------------|-------------|---------------------|------|------------------------------|--------|
|                  | Scandium (Sc)                      | [7440-20-2] | 0,0401              | %    | Borate / Peroxide Fusion ICP |        |
|                  | Cobalt (Co)                        | [7440-48-4] | 0,0807              | %    | Borate / Peroxide Fusion ICP |        |
|                  | Nickel (Ni)                        | [7440-02-0] | 0,0688              | %    | Borate / Peroxide Fusion ICP |        |
|                  | Al <sub>2</sub> O <sub>3</sub>     |             | 15,81               | %    | Borate Fusion XRF            |        |
|                  | CaO                                |             | 0,346               | %    | Borate Fusion XRF            |        |
|                  | Cobalt (Co)                        | [7440-48-4] | 0,0804              | %    | Borate Fusion XRF            |        |
|                  | Cr <sub>2</sub> O <sub>3</sub>     |             | 0,285               | %    | Borate Fusion XRF            |        |
|                  | Copper (Cu)                        | [7440-50-8] | 0,0491              | %    | Borate Fusion XRF            |        |
|                  | Fe <sub>2</sub> O <sub>3</sub>     |             | 45,99               | %    | Borate Fusion XRF            |        |
|                  | Potassium oxide (K <sub>2</sub> O) |             | 0,101               | %    | Borate Fusion XRF            |        |
|                  | Magnesium oxide (MgO)              | [1309-48-4] | 0,798               | %    | Borate Fusion XRF            |        |
|                  | Manganese oxide (MnO)              |             | 1,53                | %    | Borate Fusion XRF            |        |
|                  | Sodium oxide (Na <sub>2</sub> O)   | [1313-59-3] | 0,144               | %    | Borate Fusion XRF            |        |
|                  | Nickel (Ni)                        | [7440-02-0] | 0,0688              | %    | Borate Fusion XRF            |        |

|  |              |          |   |                                      |
|--|--------------|----------|---|--------------------------------------|
| Phosphorous(V) oxide (P<br>2O5)        |              | 0,161    | % | Borate Fus<br>ion XRF                |
| Scandium (Sc)                          | [7440-20-2]  | 0,0414   | % | Borate Fus<br>ion XRF                |
| Silicon dioxide (SiO2)                 | [7631-86-9]  | 22,79    | % | Borate Fus<br>ion XRF                |
| Titanium dioxide (TiO2)                | [13463-67-7] | 1,36     | % | Borate Fus<br>ion XRF                |
| Zinc (Zn)                              | [7440-66-6]  | 0,0207   | % | Borate Fus<br>ion XRF                |
| Loss on Ignition (L.O.I<br>) (1000 °C) |              | 10,18    | % | Thermograv<br>imetry                 |
| Al2O3                                  |              | 15,56    | % | Borate / P<br>eroxide Fu<br>sion ICP |
| Arsenic (As)                           | [7440-38-2]  | < 0,003  | % | Borate / P<br>eroxide Fu<br>sion ICP |
| Barium (Ba)                            | [7440-39-3]  | 0,0284   | % | Borate / P<br>eroxide Fu<br>sion ICP |
| Beryllium (Be)                         | [7440-41-7]  | 0,000143 | % | Borate / P<br>eroxide Fu<br>sion ICP |
| CaO                                    |              | 0,342    | % | Borate / P<br>eroxide Fu<br>sion ICP |
| Cerium (Ce)                            | [7440-45-1]  | 0,0075   | % | Borate / P<br>eroxide Fu<br>sion ICP |
| Cr2O3                                  |              | 0,281    | % | Borate / P<br>eroxide Fu<br>sion ICP |
| Cesium (Cs)                            |              | 0,000086 | % | Borate / P<br>eroxide Fu<br>sion ICP |
| Copper (Cu)                            | [7440-50-8]  | 0,0495   | % | Borate / P<br>eroxide Fu             |

|                                    |             |          |   |  |                              |
|------------------------------------|-------------|----------|---|--|------------------------------|
|                                    |             |          |   |  | sion ICP                     |
| Dysprosium (Dy)                    | [7429-91-6] | 0,000419 | % |  | Borate / Peroxide Fusion ICP |
| Erbium (Er)                        | [7440-52-0] | 0,000226 | % |  | Borate / Peroxide Fusion ICP |
| Europium (Eu)                      | [7440-53-1] | 0,000145 | % |  | Borate / Peroxide Fusion ICP |
| Fe <sub>2</sub> O <sub>3</sub>     |             | 45,22    | % |  | Borate / Peroxide Fusion ICP |
| Gallium (Ga)                       | [7440-55-3] | 0,00222  | % |  | Borate / Peroxide Fusion ICP |
| Gadolinium (Gd)                    | [7440-54-2] | 0,000483 | % |  | Borate / Peroxide Fusion ICP |
| Hafnium (Hf)                       | [7440-58-6] | 0,000254 | % |  | Borate / Peroxide Fusion ICP |
| Holmium (Ho)                       | [7440-60-0] | 0,000082 | % |  | Borate / Peroxide Fusion ICP |
| Potassium oxide (K <sub>2</sub> O) |             | 0,107    | % |  | Borate / Peroxide Fusion ICP |
| Lanthanum (La)                     | [7439-91-0] | 0,00101  | % |  | Borate / Peroxide Fusion ICP |
| Lithium (Li)                       | [7439-93-2] | 0,00222  | % |  | Borate / Peroxide Fusion ICP |
| Lutetium (Lu)                      | [7439-94-3] | 0,000033 | % |  | Borate / Peroxide Fusion ICP |
| Magnesium oxide (MgO)              | [1309-48-4] | 0,773    | % |  | Borate / P                   |

|  |             |          |   |                                       |
|--|-------------|----------|---|---------------------------------------|
|  |             |          |   | erioxide Fu<br>sion ICP               |
| Manganese oxide (MnO)                        |             | 1,49     | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Molybdenum (Mo)                              | [7439-98-7] | < 0,0005 | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Sodium oxide (Na <sub>2</sub> O)             | [1313-59-3] | 0,149    | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Niobium (Nb)                                 | [7440-03-1] | 0,000479 | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Neodymium (Nd)                               | [7440-00-8] | 0,00166  | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Phosphorous(V) oxide (P<br>2O <sub>5</sub> ) |             | 0,15     | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Lead (Pb)                                    | [7439-92-1] | < 0,002  | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Praseodymium (Pr)                            | [7440-10-0] | 0,000358 | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Rubidium (Rb)                                | [7440-17-7] | 0,000815 | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Silicon dioxide (SiO <sub>2</sub> )          | [7631-86-9] | 22,52    | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Samarium (Sm)                                | [7440-19-9] | 0,000518 | % | Borate / P<br>erioxide Fu<br>sion ICP |
| Tin (Sn)                                     | [7440-31-5] | 0,000258 | % | Borate / P<br>erioxide Fu<br>sion ICP |

|                                      |              |          |   |                              |
|--------------------------------------|--------------|----------|---|------------------------------|
| Strontium (Sr)                       | [7440-24-6]  | 0,0068   | % | Borate / Peroxide Fusion ICP |
| Tantalum (Ta)                        | [7440-25-7]  | 0,000038 | % | Borate / Peroxide Fusion ICP |
| Terbium (Tb)                         | [7440-27-9]  | 0,000075 | % | Borate / Peroxide Fusion ICP |
| Thorium (Th)                         | [7440-29-1]  | 0,00033  | % | Borate / Peroxide Fusion ICP |
| Titanium dioxide (TiO <sub>2</sub> ) | [13463-67-7] | 1,34     | % | Borate / Peroxide Fusion ICP |
| Thulium (Tm)                         | [7440-30-4]  | 0,000034 | % | Borate / Peroxide Fusion ICP |
| Uranium (U)                          | [7440-61-1]  | 0,000132 | % | Borate / Peroxide Fusion ICP |
| Vanadium (V)                         | [7440-62-2]  | 0,0644   | % | Borate / Peroxide Fusion ICP |
| Tungsten (W)                         | [7440-33-7]  | 0,000112 | % | Borate / Peroxide Fusion ICP |
| Yttrium (Y)                          | [7440-65-5]  | 0,00168  | % | Borate / Peroxide Fusion ICP |
| Ytterbium (Yb)                       | [7440-64-4]  | 0,000221 | % | Borate / Peroxide Fusion ICP |
| Zinc (Zn)                            | [7440-66-6]  | 0,0212   | % | Borate / Peroxide Fusion ICP |
| Zirconium (Zr)                       | [7440-67-7]  | 0,008    | % | Borate / Peroxide Fusion ICP |

|                  |             |       |   |                         |
|------------------|-------------|-------|---|-------------------------|
| Carbon (C)       | [7440-44-0] | 0,246 | % | Infrared Combustion ICP |
| Specific Gravity |             | 3,21  |   | Gas / Liquid Pycnometry |