

## Ore - Rare Earth Elements

Art. ID                      CDN-RE-1201-4X250G  
Unit                         4 x 250 g  
Deliverydetails           No Dangerous Good /not restricted

| Text/Information  | Analyte/Parameter | CAS number  | Concentration/Value | Unit | Method | Source |
|-------------------|-------------------|-------------|---------------------|------|--------|--------|
| Certified value   | Barium (Ba)       | [7440-39-3] | 2876                | ppm  |        |        |
| Certified value   | Cerium (Ce)       | [7440-45-1] | 1327                | ppm  |        |        |
| Certified value   | Cesium (Cs)       |             | 3,6                 | ppm  |        |        |
| Certified value   | Dysprosium (Dy)   | [7429-91-6] | 14,3                | ppm  |        |        |
| Certified value   | Erbium (Er)       | [7440-52-0] | 6,5                 | ppm  |        |        |
| Certified value   | Europium (Eu)     | [7440-53-1] | 8,6                 | tmm  |        |        |
| Certified value   | Gadolinium (Gd)   | [7440-54-2] | 22,2                | ppm  |        |        |
| Provisional value | Hafnium (Hf)      | [7440-58-6] | 2,8                 | ppm  |        |        |
| Certified value   | Holmium (Ho)      | [7440-60-0] | 2,5                 | ppm  |        |        |
| Certified value   | Lanthanum (La)    | [7439-91-0] | 959                 | ppm  |        |        |
| Provisional value | Lutetium (Lu)     | [7439-94-3] | 0,66                | ppm  |        |        |
| Certified value   | Niobium (Nb)      | [7440-03-1] | 186                 | ppm  |        |        |
| Certified value   | Neodymium (Nd)    | [7440-00-8] | 311                 | ppm  |        |        |
| Certified value   | Praseodymium (Pr) | [7440-10-0] | 112                 | ppm  |        |        |
| Certified value   | Samarium (Sm)     | [7440-19-9] | 35,6                | ppm  |        |        |
| Certified value   | Terbium (Tb)      | [7440-27-9] | 2,9                 | ppm  |        |        |
| Certified value   | Thorium (Th)      | [7440-29-1] | 60,2                | ppm  |        |        |
| Certified value   | Thulium (Tm)      | [7440-30-4] | 0,9                 | ppm  |        |        |
| Provisional value | Yttrium (Y)       | [7440-65-5] | 66,6                | ppm  |        |        |
| Certified value   | Ytterbium (Yb)    | [7440-64-4] | 5,1                 | ppm  |        |        |
| Certified value   | SiO2              |             | 39,79               | %    |        |        |
| Certified value   | Al2O3             |             | 11,4                | %    |        |        |
| Certified value   | Fe2O3             |             | 6,25                | %    |        |        |
| Certified value   | CaO               |             | 15,67               | %    |        |        |
| Certified value   | MgO               | [1309-48-4] | 3,22                | %    |        |        |
| Certified value   | Na2O              |             | 5,1                 | %    |        |        |
| Certified value   | K2O               |             | 1,59                | %    |        |        |
| Certified value   | TiO2              |             | 0,47                | %    |        |        |
| Certified value   | MnO               |             | 0,45                | %    |        |        |
| Certified value   | P2O5              |             | 0,22                | %    |        |        |
| Certified value   | SrO               |             | 0,27                | %    |        |        |

|                 |                        |       |   |
|-----------------|------------------------|-------|---|
| Certified value | BaO                    | 0,32  | % |
| Certified value | Loss on Ignition (LOI) | 14,01 | % |