

## **Andesite, CRM, MGL-AND, Powder**

Art. ID                      USZ-48-2009  
Unit                         100 g (powder)  
Deliverydetails            No Dangerous Good /not restricted

| Text/Information | Analyte/Parameter                          | CAS number  | Concentration/Value | Unit | Method | Source |
|------------------|--|-------------|---------------------|------|--------|--------|
|                  | Loss on Ignition (LOI)                     |             | 1,39                | %    |        |        |
|                  | Silver (Ag)                                | [7440-22-4] | ~0,000008           | %    |        |        |
|                  | Al <sub>2</sub> O <sub>3</sub>             |             | 16,72               | %    |        |        |
|                  | Arsenic (As)                               | [7440-38-2] | ~0,000364           | %    |        |        |
|                  | Barium (Ba)                                | [7440-39-3] | 0,0672              | %    |        |        |
|                  | Beryllium (Be)                             | [7440-41-7] | ~0,000201           | %    |        |        |
|                  | Bismuth (Bi)                               | [7440-69-9] | ~0,000012           | %    |        |        |
|                  | CaO  |             | 5,58                | %    |        |        |
|                  | Cadmium (Cd)                               | [7440-43-9] | ~0,000006           | %    |        |        |
|                  | Cerium (Ce)                                | [7440-45-1] | 0,00552             | %    |        |        |
|                  | Cobalt (Co)                                | [7440-48-4] | 0,00192             | %    |        |        |
|                  | Chromium (Cr)                              | [7440-47-3] | 0,00959             | %    |        |        |
|                  | Caesium (Cs)                               | [7440-46-2] | 0,000109            | %    |        |        |
|                  | Copper (Cu)                                | [7440-50-8] | 0,00412             | %    |        |        |
|                  | Dysprosium (Dy)                            | [7429-91-6] | ~0,000255           | %    |        |        |
|                  | Erbium (Er)                                | [7440-52-0] | ~0,000118           | %    |        |        |
|                  | Europium (Eu)                              | [7440-53-1] | 0,000144            | %    |        |        |
|                  | FeO  |             | ~1,66               | %    |        |        |
|                  | Total Fe as Fe <sub>2</sub> O <sub>3</sub> |             | 5,43                | %    |        |        |
|                  | Gallium (Ga)                               | [7440-55-3] | 0,00211             | %    |        |        |
|                  | Gadolinium (Gd)                            | [7440-54-2] | ~0,000393           | %    |        |        |
|                  | Hafnium (Hf)                               | [7440-58-6] | 0,00038             | %    |        |        |
|                  | Mercury (Hg)                               | [7439-97-6] | ~0,0000004          | %    |        |        |
|                  | Holmium (Ho)                               | [7440-60-0] | ~0,000046           | %    |        |        |
|                  | K <sub>2</sub> O                           |             | 2,42                | %    |        |        |
|                  | Lanthanum (La)                             | [7439-91-0] | 0,00262             | %    |        |        |
|                  | Lithium (Li)                               | [7439-93-2] | ~0,00132            | %    |        |        |
|                  | Lutetium (Lu)                              | [7439-94-3] | ~0,000015           | %    |        |        |
|                  | MgO  | [1309-48-4] | 3,52                | %    |        |        |
|                  | MnO  |             | 0,081               | %    |        |        |
|                  | Molybdenum (Mo)                            | [7439-98-7] | ~0,00006            | %    |        |        |

|                               |             |           |   |
|-------------------------------|-------------|-----------|---|
| Na <sub>2</sub> O             |             | 4,46      | % |
| Niobium (Nb)                  | [7440-03-1] | 0,000323  | % |
| Neodymium (Nd)                | [7440-00-8] | 0,00272   | % |
| Nickel (Ni)                   | [7440-02-0] | 0,00612   | % |
| P <sub>2</sub> O <sub>5</sub> |             | 0,264     | % |
| Lead (Pb)                     | [7439-92-1] | 0,00187   | % |
| Praseodymium (Pr)             | [7440-10-0] | ~0,000677 | % |
| Rubidium (Rb)                 | [7440-17-7] | 0,00497   | % |
| Antimony (Sb)                 | [7440-36-0] | ~0,000027 | % |
| Scandium (Sc)                 | [7440-20-2] | 0,00118   | % |
| SiO <sub>2</sub>              |             | 59,2      | % |
| Samarium (Sm)                 | [7440-19-9] | 0,000516  | % |
| Tin (Sn)                      | [7440-31-5] | ~0,000086 | % |
| Strontium (Sr)                | [7440-24-6] | 0,1116    | % |
| Tantalum (Ta)                 | [7440-25-7] | ~0,000025 | % |
| Terbium (Tb)                  | [7440-27-9] | 0,000049  | % |
| Thorium (Th)                  | [7440-29-1] | 0,000646  | % |
| TiO <sub>2</sub>              |             | 0,71      | % |
| Thallium (Tl)                 | [7440-28-0] | ~0,000022 | % |
| Thulium (Tm)                  | [7440-30-4] | ~0,000017 | % |
| Uranium (U)                   | [7440-61-1] | 0,000196  | % |
| Vanadium (V)                  | [7440-62-2] | 0,0123    | % |
| Tungsten (W)                  | [7440-33-7] | ~0,000017 | % |
| Yttrium (Y)                   | [7440-65-5] | 0,00118   | % |
| Ytterbium (Yb)                | [7440-64-4] | 0,0001    | % |
| Zinc (Zn)                     | [7440-66-6] | 0,00715   | % |
| Zirconium (Zr)                | [7440-67-7] | 0,0141    | % |