

Soil, CRM, Soil, Au Pd Pt fire assay, C S combustion, rest Fusion XRF, Powder

Art. ID OREAS-25a-60G
Unit 60 g (powder)
Deliverydetails No Dangerous Good /not restricted

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|------------------|-------------------|-------------|---------------------|------|----------------------|--------|
| | Gold (Au) | [7440-57-5] | < 2 | ppb | Pb Fire As say | |
| | Copper (Cu) | [7440-50-8] | 0,00339 | % | 4-Acid Dig estion | |
| | Lead (Pb) | [7439-92-1] | 0,00252 | % | 4-Acid Dig estion | |
| | Aluminium (Al) | [7429-90-5] | 8,87 | % | 4-Acid Dig estion | |
| | Barium (Ba) | [7440-39-3] | 0,0147 | % | 4-Acid Dig estion | |
| | Beryllium (Be) | [7440-41-7] | 0,000102 | % | 4-Acid Dig estion | |
| | Bismuth (Bi) | [7440-69-9] | 0,000035 | % | 4-Acid Dig estion | |
| | Calcium (Ca) | [7440-70-2] | 0,309 | % | 4-Acid Dig estion | |
| | Cerium (Ce) | [7440-45-1] | 0,00489 | % | 4-Acid Dig estion | |
| | Cobalt (Co) | [7440-48-4] | 0,00082 | % | 4-Acid Dig estion | |
| | Chromium (Cr) | [7440-47-3] | 0,0115 | % | 4-Acid Dig estion | |
| | Cesium (Cs) | | 0,000646 | % | 4-Acid Dig estion | |
| | Iron (Fe) | [7439-89-6] | 6,6 | % | 4-Acid Dig estion | |
| | Gallium (Ga) | [7440-55-3] | 0,00259 | % | 4-Acid Dig estion | |
| | Hafnium (Hf) | [7440-58-6] | 0,000453 | % | 4-Acid Dig estion | |
| | Potassium (K) | [7440-09-7] | 0,482 | % | 4-Acid Dig | |

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|-----------------|-------------|----------|---|------------|--------|
| | | | | | estion |
| Lanthanum (La) | [7439-91-0] | 0,00218 | % | 4-Acid Dig | estion |
| Lithium (Li) | [7439-93-2] | 0,00367 | % | 4-Acid Dig | estion |
| Magnesium (Mg) | [7439-95-4] | 0,327 | % | 4-Acid Dig | estion |
| Manganese (Mn) | [7439-96-5] | 0,047 | % | 4-Acid Dig | estion |
| Molybdenum (Mo) | [7439-98-7] | 0,000255 | % | 4-Acid Dig | estion |
| Sodium (Na) | [7440-23-5] | 0,134 | % | 4-Acid Dig | estion |
| Niobium (Nb) | [7440-03-1] | 0,00224 | % | 4-Acid Dig | estion |
| Nickel (Ni) | [7440-02-0] | 0,00458 | % | 4-Acid Dig | estion |
| Phosphorus (P) | [7723-14-0] | 0,048 | % | 4-Acid Dig | estion |
| Rubidium (Rb) | [7440-17-7] | 0,0061 | % | 4-Acid Dig | estion |
| Sulfur (S) | [7704-34-9] | 0,051 | % | 4-Acid Dig | estion |
| Antimony (Sb) | [7440-36-0] | 0,000067 | % | 4-Acid Dig | estion |
| Scandium (Sc) | [7440-20-2] | 0,00137 | % | 4-Acid Dig | estion |
| Tin (Sn) | [7440-31-5] | 0,000406 | % | 4-Acid Dig | estion |
| Strontium (Sr) | [7440-24-6] | 0,00485 | % | 4-Acid Dig | estion |
| Tantalum (Ta) | [7440-25-7] | 0,00016 | % | 4-Acid Dig | estion |
| Thorium (Th) | [7440-29-1] | 0,00158 | % | 4-Acid Dig | estion |
| Titanium (Ti) | [7440-32-6] | 0,977 | % | 4-Acid Dig | estion |
| Thallium (Tl) | [7440-28-0] | 0,000035 | % | 4-Acid Dig | estion |

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|----------------|-------------|----------|---|--|-------------------------|
| | | | | | estion |
| Uranium (U) | [7440-61-1] | 0,000294 | % | | 4-Acid Dig |
| | | | | | estion |
| Vanadium (V) | [7440-62-2] | 0,0157 | % | | 4-Acid Dig |
| | | | | | estion |
| Tungsten (W) | [7440-33-7] | 0,00021 | % | | 4-Acid Dig |
| | | | | | estion |
| Yttrium (Y) | [7440-65-5] | 0,00123 | % | | 4-Acid Dig |
| | | | | | estion |
| Zinc (Zn) | [7440-66-6] | 0,00444 | % | | 4-Acid Dig |
| | | | | | estion |
| Aluminium (Al) | [7429-90-5] | 5,85 | % | | Aqua Regia Digestion |
| | | | | | |
| Barium (Ba) | [7440-39-3] | 0,0056 | % | | Aqua Regia Digestion |
| | | | | | |
| Bismuth (Bi) | [7440-69-9] | 0,00003 | % | | Aqua Regia Digestion |
| | | | | | |
| Calcium (Ca) | [7440-70-2] | 0,15 | % | | Aqua Regia Digestion |
| | | | | | |
| Cerium (Ce) | [7440-45-1] | 0,00331 | % | | Aqua Regia Digestion |
| | | | | | |
| Cobalt (Co) | [7440-48-4] | 0,000572 | % | | Aqua Regia Digestion |
| | | | | | |
| Chromium (Cr) | [7440-47-3] | 0,0073 | % | | Aqua Regia Digestion |
| | | | | | |
| Cesium (Cs) | | 0,000445 | % | | Aqua Regia Digestion |
| | | | | | |
| Copper (Cu) | [7440-50-8] | 0,00249 | % | | Aqua Regia Digestion |
| | | | | | |
| Iron (Fe) | [7439-89-6] | 5,99 | % | | Aqua Regia Digestion |
| | | | | | |
| Gallium (Ga) | [7440-55-3] | 0,00206 | % | | Aqua Regia Digestion |
| | | | | | |
| Potassium (K) | [7440-09-7] | 0,131 | % | | Aqua Regia Digestion |
| | | | | | |
| Manganese (Mn) | [7439-96-5] | 0,042 | % | | Aqua Regia Digestion |
| | | | | | |
| Nickel (Ni) | [7440-02-0] | 0,00269 | % | | Aqua Regia |

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|----------------|-------------|----------|---|--|--------------------------------------|
| | | | | | Digestion |
| Phosphorus (P) | [7723-14-0] | 0,037 | % | | Aqua Regia Digestion |
| Lead (Pb) | [7439-92-1] | 0,0021 | % | | Aqua Regia Digestion |
| Scandium (Sc) | [7440-20-2] | 0,000864 | % | | Aqua Regia Digestion |
| Tin (Sn) | [7440-31-5] | 0,00027 | % | | Aqua Regia Digestion |
| Strontium (Sr) | [7440-24-6] | 0,00173 | % | | Aqua Regia Digestion |
| Thorium (Th) | [7440-29-1] | 0,00107 | % | | Aqua Regia Digestion |
| Thallium (Tl) | [7440-28-0] | 0,00002 | % | | Aqua Regia Digestion |
| Uranium (U) | [7440-61-1] | 0,000149 | % | | Aqua Regia Digestion |
| Vanadium (V) | [7440-62-2] | 0,0117 | % | | Aqua Regia Digestion |
| Yttrium (Y) | [7440-65-5] | 0,000456 | % | | Aqua Regia Digestion |
| Zinc (Zn) | [7440-66-6] | 0,00301 | % | | Aqua Regia Digestion |
| Aluminium (Al) | [7429-90-5] | 9,25 | % | | Borate / P eroxide Fu sion ICP |
| Barium (Ba) | [7440-39-3] | 0,0151 | % | | Borate / P eroxide Fu sion ICP |
| Calcium (Ca) | [7440-70-2] | 0,302 | % | | Borate / P eroxide Fu sion ICP |
| Cerium (Ce) | [7440-45-1] | 0,0051 | % | | Borate / P eroxide Fu sion ICP |
| Cobalt (Co) | [7440-48-4] | 0,000805 | % | | Borate / P eroxide Fu sion ICP |

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|-----------------|-------------|----------|---|------------------------------|
| Chromium (Cr) | [7440-47-3] | 0,0125 | % | Borate / Peroxide Fusion ICP |
| Cesium (Cs) | | 0,000636 | % | Borate / Peroxide Fusion ICP |
| Dysprosium (Dy) | [7429-91-6] | 0,000431 | % | Borate / Peroxide Fusion ICP |
| Erbium (Er) | [7440-52-0] | 0,000276 | % | Borate / Peroxide Fusion ICP |
| Europium (Eu) | [7440-53-1] | 0,00008 | % | Borate / Peroxide Fusion ICP |
| Iron (Fe) | [7439-89-6] | 6,72 | % | Borate / Peroxide Fusion ICP |
| Gallium (Ga) | [7440-55-3] | 0,00254 | % | Borate / Peroxide Fusion ICP |
| Gadolinium (Gd) | [7440-54-2] | 0,000379 | % | Borate / Peroxide Fusion ICP |
| Hafnium (Hf) | [7440-58-6] | 0,00111 | % | Borate / Peroxide Fusion ICP |
| Holmium (Ho) | [7440-60-0] | 0,000092 | % | Borate / Peroxide Fusion ICP |
| Potassium (K) | [7440-09-7] | 0,493 | % | Borate / Peroxide Fusion ICP |
| Lanthanum (La) | [7439-91-0] | 0,00233 | % | Borate / Peroxide Fusion ICP |
| Lutetium (Lu) | [7439-94-3] | 0,000045 | % | Borate / Peroxide Fusion ICP |

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|-------------------|-------------|----------|---|--|------------------------------|
| | | | | | sion ICP |
| Magnesium (Mg) | [7439-95-4] | 0,324 | % | | Borate / Peroxide Fusion ICP |
| Manganese (Mn) | [7439-96-5] | 0,049 | % | | Borate / Peroxide Fusion ICP |
| Niobium (Nb) | [7440-03-1] | 0,00265 | % | | Borate / Peroxide Fusion ICP |
| Neodymium (Nd) | [7440-00-8] | 0,002 | % | | Borate / Peroxide Fusion ICP |
| Phosphorus (P) | [7723-14-0] | 0,049 | % | | Borate / Peroxide Fusion ICP |
| Praseodymium (Pr) | [7440-10-0] | 0,000533 | % | | Borate / Peroxide Fusion ICP |
| Rubidium (Rb) | [7440-17-7] | 0,006 | % | | Borate / Peroxide Fusion ICP |
| Scandium (Sc) | [7440-20-2] | 0,00135 | % | | Borate / Peroxide Fusion ICP |
| Silicon (Si) | [7440-21-3] | 25,85 | % | | Borate / Peroxide Fusion ICP |
| Samarium (Sm) | [7440-19-9] | 0,00039 | % | | Borate / Peroxide Fusion ICP |
| Tin (Sn) | [7440-31-5] | 0,000483 | % | | Borate / Peroxide Fusion ICP |
| Strontium (Sr) | [7440-24-6] | 0,00494 | % | | Borate / Peroxide Fusion ICP |
| Tantalum (Ta) | [7440-25-7] | 0,000199 | % | | Borate / P |

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|----------------|-------------|----------|---|--|---------------------------------------|
| | | | | | erioxide Fu sion ICP |
| Terbium (Tb) | [7440-27-9] | 0,000066 | % | | Borate / P erioxide Fu sion ICP |
| Thorium (Th) | [7440-29-1] | 0,00164 | % | | Borate / P erioxide Fu sion ICP |
| Titanium (Ti) | [7440-32-6] | 1,14 | % | | Borate / P erioxide Fu sion ICP |
| Thulium (Tm) | [7440-30-4] | 0,000043 | % | | Borate / P erioxide Fu sion ICP |
| Uranium (U) | [7440-61-1] | 0,000351 | % | | Borate / P erioxide Fu sion ICP |
| Vanadium (V) | [7440-62-2] | 0,0164 | % | | Borate / P erioxide Fu sion ICP |
| Tungsten (W) | [7440-33-7] | 0,000289 | % | | Borate / P erioxide Fu sion ICP |
| Yttrium (Y) | [7440-65-5] | 0,00251 | % | | Borate / P erioxide Fu sion ICP |
| Ytterbium (Yb) | [7440-64-4] | 0,000289 | % | | Borate / P erioxide Fu sion ICP |
| Zinc (Zn) | [7440-66-6] | 0,00468 | % | | Borate / P erioxide Fu sion ICP |
| Zirconium (Zr) | [7440-67-7] | 0,0398 | % | | Borate / P erioxide Fu sion ICP |
| Carbon (C) | [7440-44-0] | 1,56 | % | | Infrared C ombustion |
| Sulfur (S) | [7704-34-9] | 0,044 | % | | Infrared C |

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|--|--------------|-------|---|-----------------------|
| | | | | ombustion |
| Loss on Ignition (L.O.I) (1000 °C) | | 11,7 | % | Thermograv imetry |
| Al ₂ O ₃ | | 18,24 | % | Borate Fus ion XRF |
| CaO | | 0,438 | % | Borate Fus ion XRF |
| Fe ₂ O ₃ | | 9,77 | % | Borate Fus ion XRF |
| Potassium oxide (K ₂ O) | | 0,599 | % | Borate Fus ion XRF |
| Manganese oxide (MnO) | | 0,063 | % | Borate Fus ion XRF |
| Sodium oxide (Na ₂ O) | [1313-59-3] | 0,191 | % | Borate Fus ion XRF |
| Phosphorous(V) oxide (P 2O ₅) | | 0,117 | % | Borate Fus ion XRF |
| Silicon dioxide (SiO ₂) | [7631-86-9] | 56,7 | % | Borate Fus ion XRF |
| Titanium dioxide (TiO ₂) | [13463-67-7] | 1,93 | % | Borate Fus ion XRF |