

**Au-Cu ore, Au <1 ppm, CRM, Matrix: felsic volcanic breccia, Mineralisation Style: IOCG**

Art. ID OREAS-520-60G  
Unit 60 g  
Deliverydetails No Dangerous Good /not restricted

| Text/Information | Analyte/Parameter | CAS number  | Concentration/Value | Unit | Method              | Source |
|------------------|-------------------|-------------|---------------------|------|---------------------|--------|
|                  | Copper (Cu)       | [7440-50-8] | 0,293               | %    | 4-Acid Digestion    |        |
|                  | Gold (Au)         | [7440-57-5] | 0,0000176           | %    | Pb Fire Assay       |        |
|                  | Cobalt (Co)       | [7440-48-4] | 0,0203              | %    | 4-Acid Digestion    |        |
|                  | Aluminium (Al)    | [7429-90-5] | 5,68                | %    | Peroxide Fusion ICP |        |
|                  | Arsenic (As)      | [7440-38-2] | 0,0156              | %    | Peroxide Fusion ICP |        |
|                  | Barium (Ba)       | [7440-39-3] | 0,8058              | %    | Peroxide Fusion ICP |        |
|                  | Bismuth (Bi)      | [7440-69-9] | 0,000302            | %    | Peroxide Fusion ICP |        |
|                  | Calcium (Ca)      | [7440-70-2] | 4,21                | %    | Peroxide Fusion ICP |        |
|                  | Cerium (Ce)       | [7440-45-1] | 0,0085              | %    | Peroxide Fusion ICP |        |
|                  | Cobalt (Co)       | [7440-48-4] | 0,0207              | %    | Peroxide Fusion ICP |        |
|                  | Chromium (Cr)     | [7440-47-3] | 0,00442             | %    | Peroxide Fusion ICP |        |
|                  | Cesium (Cs)       |             | 0,000087            | %    | Peroxide Fusion ICP |        |
|                  | Copper (Cu)       | [7440-50-8] | 0,293               | %    | Peroxide Fusion ICP |        |
|                  | Dysprosium (Dy)   | [7429-91-6] | 0,000399            | %    | Peroxide Fusion ICP |        |
|                  | Erbium (Er)       | [7440-52-0] | 0,000242            | %    | Peroxide Fusion ICP |        |
|                  | Iron (Fe)         | [7439-89-6] | 16,84               | %    | Peroxide F          |        |

|                   |             |          |   |            |           |
|-------------------|-------------|----------|---|------------|-----------|
|                   |             |          |   |            | usion ICP |
| Gallium (Ga)      | [7440-55-3] | 0,00199  | % | Peroxide F | usion ICP |
| Gadolinium (Gd)   | [7440-54-2] | 0,000436 | % | Peroxide F | usion ICP |
| Hafnium (Hf)      | [7440-58-6] | 0,000378 | % | Peroxide F | usion ICP |
| Holmium (Ho)      | [7440-60-0] | 0,000083 | % | Peroxide F | usion ICP |
| Potassium (K)     | [7440-09-7] | 3,52     | % | Peroxide F | usion ICP |
| Lanthanum (La)    | [7439-91-0] | 0,009    | % | Peroxide F | usion ICP |
| Lithium (Li)      | [7439-93-2] | 0,0018   | % | Peroxide F | usion ICP |
| Lutetium (Lu)     | [7439-94-3] | 0,000038 | % | Peroxide F | usion ICP |
| Magnesium (Mg)    | [7439-95-4] | 1,22     | % | Peroxide F | usion ICP |
| Manganese (Mn)    | [7439-96-5] | 0,252    | % | Peroxide F | usion ICP |
| Molybdenum (Mo)   | [7439-98-7] | 0,0064   | % | Peroxide F | usion ICP |
| Niobium (Nb)      | [7440-03-1] | 0,000655 | % | Peroxide F | usion ICP |
| Neodymium (Nd)    | [7440-00-8] | 0,00232  | % | Peroxide F | usion ICP |
| Nickel (Ni)       | [7440-02-0] | 0,0082   | % | Peroxide F | usion ICP |
| Phosphorus (P)    | [7723-14-0] | 0,076    | % | Peroxide F | usion ICP |
| Praseodymium (Pr) | [7440-10-0] | 0,000728 | % | Peroxide F | usion ICP |
| Rubidium (Rb)     | [7440-17-7] | 0,0114   | % | Peroxide F | usion ICP |
| Sulfur (S)        | [7704-34-9] | 1,14     | % | Peroxide F | usion ICP |
| Antimony (Sb)     | [7440-36-0] | 0,000335 | % | Peroxide F |           |

|                |             |          |   |  |                         |
|----------------|-------------|----------|---|--|-------------------------|
|                |             |          |   |  | usion ICP               |
| Scandium (Sc)  | [7440-20-2] | 0,00166  | % |  | Peroxide F<br>usion ICP |
| Silicon (Si)   | [7440-21-3] | 19,72    | % |  | Peroxide F<br>usion ICP |
| Samarium (Sm)  | [7440-19-9] | 0,000432 | % |  | Peroxide F<br>usion ICP |
| Strontium (Sr) | [7440-24-6] | 0,0108   | % |  | Peroxide F<br>usion ICP |
| Tantalum (Ta)  | [7440-25-7] | 0,000054 | % |  | Peroxide F<br>usion ICP |
| Terbium (Tb)   | [7440-27-9] | 0,000065 | % |  | Peroxide F<br>usion ICP |
| Thorium (Th)   | [7440-29-1] | 0,00101  | % |  | Peroxide F<br>usion ICP |
| Titanium (Ti)  | [7440-32-6] | 0,542    | % |  | Peroxide F<br>usion ICP |
| Thulium (Tm)   | [7440-30-4] | 0,000037 | % |  | Peroxide F<br>usion ICP |
| Uranium (U)    | [7440-61-1] | 0,00181  | % |  | Peroxide F<br>usion ICP |
| Vanadium (V)   | [7440-62-2] | 0,028    | % |  | Peroxide F<br>usion ICP |
| Tungsten (W)   | [7440-33-7] | 0,00445  | % |  | Peroxide F<br>usion ICP |
| Yttrium (Y)    | [7440-65-5] | 0,00224  | % |  | Peroxide F<br>usion ICP |
| Ytterbium (Yb) | [7440-64-4] | 0,00024  | % |  | Peroxide F<br>usion ICP |
| Zirconium (Zr) | [7440-67-7] | 0,0141   | % |  | Peroxide F<br>usion ICP |
| Silver (Ag)    | [7440-22-4] | 0,000045 | % |  | 4-Acid Dig<br>estion    |
| Aluminium (Al) | [7429-90-5] | 5,63     | % |  | 4-Acid Dig<br>estion    |
| Arsenic (As)   | [7440-38-2] | 0,0153   | % |  | 4-Acid Dig<br>estion    |
| Beryllium (Be) | [7440-41-7] | 0,000106 | % |  | 4-Acid Dig              |

|                 |             |          |   |            |        |
|-----------------|-------------|----------|---|------------|--------|
|                 |             |          |   |            | estion |
| Bismuth (Bi)    | [7440-69-9] | 0,000294 | % | 4-Acid Dig | estion |
| Calcium (Ca)    | [7440-70-2] | 4,1      | % | 4-Acid Dig | estion |
| Cerium (Ce)     | [7440-45-1] | 0,0086   | % | 4-Acid Dig | estion |
| Chromium (Cr)   | [7440-47-3] | 0,00364  | % | 4-Acid Dig | estion |
| Cesium (Cs)     |             | 0,00008  | % | 4-Acid Dig | estion |
| Dysprosium (Dy) | [7429-91-6] | 0,000366 | % | 4-Acid Dig | estion |
| Erbium (Er)     | [7440-52-0] | 0,000221 | % | 4-Acid Dig | estion |
| Europium (Eu)   | [7440-53-1] | 0,000129 | % | 4-Acid Dig | estion |
| Iron (Fe)       | [7439-89-6] | 16,43    | % | 4-Acid Dig | estion |
| Gallium (Ga)    | [7440-55-3] | 0,00187  | % | 4-Acid Dig | estion |
| Gadolinium (Gd) | [7440-54-2] | 0,000408 | % | 4-Acid Dig | estion |
| Hafnium (Hf)    | [7440-58-6] | 0,000353 | % | 4-Acid Dig | estion |
| Holmium (Ho)    | [7440-60-0] | 0,000076 | % | 4-Acid Dig | estion |
| Indium (In)     | [7440-74-6] | 0,000011 | % | 4-Acid Dig | estion |
| Potassium (K)   | [7440-09-7] | 3,46     | % | 4-Acid Dig | estion |
| Lanthanum (La)  | [7439-91-0] | 0,0085   | % | 4-Acid Dig | estion |
| Lithium (Li)    | [7439-93-2] | 0,00169  | % | 4-Acid Dig | estion |
| Lutetium (Lu)   | [7439-94-3] | 0,000034 | % | 4-Acid Dig | estion |
| Magnesium (Mg)  | [7439-95-4] | 1,19     | % | 4-Acid Dig | estion |

|                   |             |           |   |  |            |
|-------------------|-------------|-----------|---|--|------------|
|                   |             |           |   |  | estion     |
| Manganese (Mn)    | [7439-96-5] | 0,242     | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Molybdenum (Mo)   | [7439-98-7] | 0,0065    | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Sodium (Na)       | [7440-23-5] | 1,35      | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Niobium (Nb)      | [7440-03-1] | 0,000568  | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Neodymium (Nd)    | [7440-00-8] | 0,00221   | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Nickel (Ni)       | [7440-02-0] | 0,0076    | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Phosphorus (P)    | [7723-14-0] | 0,074     | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Lead (Pb)         | [7439-92-1] | 0,000585  | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Praseodymium (Pr) | [7440-10-0] | 0,000669  | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Rubidium (Rb)     | [7440-17-7] | 0,0111    | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Rhenium (Re)      | [7440-15-5] | 0,0000031 | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Sulfur (S)        | [7704-34-9] | 1,01      | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Antimony (Sb)     | [7440-36-0] | 0,000321  | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Scandium (Sc)     | [7440-20-2] | 0,0017    | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Selenium (Se)     | [7782-49-2] | 0,000176  | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Samarium (Sm)     | [7440-19-9] | 0,000402  | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Tin (Sn)          | [7440-31-5] | 0,000476  | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Strontium (Sr)    | [7440-24-6] | 0,0104    | % |  | 4-Acid Dig |
|                   |             |           |   |  | estion     |
| Tantalum (Ta)     | [7440-25-7] | 0,000047  | % |  | 4-Acid Dig |

|  |                |              |           |   |                |
|--|----------------|--------------|-----------|---|----------------|
|  |                |              |           |   | estion         |
|  | Terbium (Tb)   | [7440-27-9]  | 0,000064  | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Tellurium (Te) | [13494-80-9] | 0,000036  | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Thorium (Th)   | [7440-29-1]  | 0,000962  | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Titanium (Ti)  | [7440-32-6]  | 0,445     | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Thallium (Tl)  | [7440-28-0]  | 0,000026  | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Thulium (Tm)   | [7440-30-4]  | 0,000031  | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Uranium (U)    | [7440-61-1]  | 0,00179   | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Vanadium (V)   | [7440-62-2]  | 0,0257    | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Tungsten (W)   | [7440-33-7]  | 0,00438   | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Yttrium (Y)    | [7440-65-5]  | 0,00208   | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Ytterbium (Yb) | [7440-64-4]  | 0,00022   | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Zinc (Zn)      | [7440-66-6]  | 0,00227   | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Zirconium (Zr) | [7440-67-7]  | 0,0134    | % | 4-Acid Dig     |
|  |                |              |           |   | estion         |
|  | Silver (Ag)    | [7440-22-4]  | < 0,00005 | % | 3-Acid Dig     |
|  |                |              |           |   | estion (no HF) |
|  | Arsenic (As)   | [7440-38-2]  | 0,0151    | % | 3-Acid Dig     |
|  |                |              |           |   | estion (no HF) |
|  | Cobalt (Co)    | [7440-48-4]  | 0,0199    | % | 3-Acid Dig     |
|  |                |              |           |   | estion (no HF) |
|  | Copper (Cu)    | [7440-50-8]  | 0,292     | % | 3-Acid Dig     |
|  |                |              |           |   | estion (no     |

|                 |             |           |   |  |                          |
|-----------------|-------------|-----------|---|--|--------------------------|
|                 |             |           |   |  | HF)                      |
| Iron (Fe)       | [7439-89-6] | 16,96     | % |  | 3-Acid Digestion (no HF) |
| Molybdenum (Mo) | [7439-98-7] | 0,006     | % |  | 3-Acid Digestion (no HF) |
| Sulfur (S)      | [7704-34-9] | 1,07      | % |  | 3-Acid Digestion (no HF) |
| Silver (Ag)     | [7440-22-4] | 0,0000422 | % |  | Aqua Regia Digestion     |
| Aluminium (Al)  | [7429-90-5] | 1,56      | % |  | Aqua Regia Digestion     |
| Arsenic (As)    | [7440-38-2] | 0,0152    | % |  | Aqua Regia Digestion     |
| Gold (Au)       | [7440-57-5] | 0,0000169 | % |  | Aqua Regia Digestion     |
| Beryllium (Be)  | [7440-41-7] | 0,000054  | % |  | Aqua Regia Digestion     |
| Bismuth (Bi)    | [7440-69-9] | 0,00029   | % |  | Aqua Regia Digestion     |
| Calcium (Ca)    | [7440-70-2] | 3,84      | % |  | Aqua Regia Digestion     |
| Cerium (Ce)     | [7440-45-1] | 0,0079    | % |  | Aqua Regia Digestion     |
| Cobalt (Co)     | [7440-48-4] | 0,0196    | % |  | Aqua Regia Digestion     |
| Chromium (Cr)   | [7440-47-3] | 0,00374   | % |  | Aqua Regia Digestion     |
| Cesium (Cs)     |             | 0,000057  | % |  | Aqua Regia Digestion     |
| Copper (Cu)     | [7440-50-8] | 0,296     | % |  | Aqua Regia Digestion     |
| Iron (Fe)       | [7439-89-6] | 15,74     | % |  | Aqua Regia Digestion     |
| Gallium (Ga)    | [7440-55-3] | 0,00137   | % |  | Aqua Regia Digestion     |

|                 |             |          |   |                         |
|-----------------|-------------|----------|---|-------------------------|
| Germanium (Ge)  | [7440-56-4] | 0,000025 | % | Aqua Regia<br>Digestion |
| Hafnium (Hf)    | [7440-58-6] | 0,000081 | % | Aqua Regia<br>Digestion |
| Indium (In)     | [7440-74-6] | 0,000011 | % | Aqua Regia<br>Digestion |
| Potassium (K)   | [7440-09-7] | 0,506    | % | Aqua Regia<br>Digestion |
| Lanthanum (La)  | [7439-91-0] | 0,0083   | % | Aqua Regia<br>Digestion |
| Lithium (Li)    | [7439-93-2] | 0,00166  | % | Aqua Regia<br>Digestion |
| Lutetium (Lu)   | [7439-94-3] | 0,00002  | % | Aqua Regia<br>Digestion |
| Magnesium (Mg)  | [7439-95-4] | 1,14     | % | Aqua Regia<br>Digestion |
| Manganese (Mn)  | [7439-96-5] | 0,228    | % | Aqua Regia<br>Digestion |
| Molybdenum (Mo) | [7439-98-7] | 0,0062   | % | Aqua Regia<br>Digestion |
| Sodium (Na)     | [7440-23-5] | 0,052    | % | Aqua Regia<br>Digestion |
| Nickel (Ni)     | [7440-02-0] | 0,0073   | % | Aqua Regia<br>Digestion |
| Phosphorus (P)  | [7723-14-0] | 0,074    | % | Aqua Regia<br>Digestion |
| Lead (Pb)       | [7439-92-1] | 0,000522 | % | Aqua Regia<br>Digestion |
| Rubidium (Rb)   | [7440-17-7] | 0,00315  | % | Aqua Regia<br>Digestion |
| Sulfur (S)      | [7704-34-9] | 1,03     | % | Aqua Regia<br>Digestion |
| Antimony (Sb)   | [7440-36-0] | 0,000197 | % | Aqua Regia<br>Digestion |
| Scandium (Sc)   | [7440-20-2] | 0,00118  | % | Aqua Regia<br>Digestion |
| Selenium (Se)   | [7782-49-2] | 0,000173 | % | Aqua Regia<br>Digestion |



|                  |              |          |   |                                 |
|------------------|--------------|----------|---|---------------------------------|
| Tin (Sn)         | [7440-31-5]  | 0,000342 | % | Aqua Regia<br>Digestion         |
| Strontium (Sr)   | [7440-24-6]  | 0,0036   | % | Aqua Regia<br>Digestion         |
| Terbium (Tb)     | [7440-27-9]  | 0,00005  | % | Aqua Regia<br>Digestion         |
| Tellurium (Te)   | [13494-80-9] | 0,000033 | % | Aqua Regia<br>Digestion         |
| Thorium (Th)     | [7440-29-1]  | 0,000803 | % | Aqua Regia<br>Digestion         |
| Titanium (Ti)    | [7440-32-6]  | 0,135    | % | Aqua Regia<br>Digestion         |
| Thallium (Tl)    | [7440-28-0]  | 0,000009 | % | Aqua Regia<br>Digestion         |
| Uranium (U)      | [7440-61-1]  | 0,00149  | % | Aqua Regia<br>Digestion         |
| Vanadium (V)     | [7440-62-2]  | 0,0247   | % | Aqua Regia<br>Digestion         |
| Tungsten (W)     | [7440-33-7]  | 0,00296  | % | Aqua Regia<br>Digestion         |
| Yttrium (Y)      | [7440-65-5]  | 0,00143  | % | Aqua Regia<br>Digestion         |
| Ytterbium (Yb)   | [7440-64-4]  | 0,000136 | % | Aqua Regia<br>Digestion         |
| Zinc (Zn)        | [7440-66-6]  | 0,00207  | % | Aqua Regia<br>Digestion         |
| Zirconium (Zr)   | [7440-67-7]  | 0,0028   | % | Aqua Regia<br>Digestion         |
| Sulfur (S)       | [7704-34-9]  | 1,11     | % | Infrared C<br>ombustion         |
| Specific Gravity |              | 3        |   | Gas / Liqu<br>id Pycnome<br>try |