

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

Art. ID OREAS-524-60G  
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] | 2,53                | %    | 4-Acid Digestion    |        |
|                  | Gold (Au)         | [7440-57-5] | 0,000154            | %    | Pb Fire Assay       |        |
|                  | Cobalt (Co)       | [7440-48-4] | 0,0728              | %    | 4-Acid Digestion    |        |
|                  | Aluminium (Al)    | [7429-90-5] | 2,93                | %    | Peroxide Fusion ICP |        |
|                  | Arsenic (As)      | [7440-38-2] | 0,0673              | %    | Peroxide Fusion ICP |        |
|                  | Barium (Ba)       | [7440-39-3] | 2,94                | %    | Peroxide Fusion ICP |        |
|                  | Bismuth (Bi)      | [7440-69-9] | 0,00175             | %    | Peroxide Fusion ICP |        |
|                  | Calcium (Ca)      | [7440-70-2] | 3,44                | %    | Peroxide Fusion ICP |        |
|                  | Cerium (Ce)       | [7440-45-1] | 0,0201              | %    | Peroxide Fusion ICP |        |
|                  | Cobalt (Co)       | [7440-48-4] | 0,0728              | %    | Peroxide Fusion ICP |        |
|                  | Cesium (Cs)       |             | 0,000057            | %    | Peroxide Fusion ICP |        |
|                  | Copper (Cu)       | [7440-50-8] | 2,53                | %    | Peroxide Fusion ICP |        |
|                  | Dysprosium (Dy)   | [7429-91-6] | 0,000324            | %    | Peroxide Fusion ICP |        |
|                  | Erbium (Er)       | [7440-52-0] | 0,000193            | %    | Peroxide Fusion ICP |        |
|                  | Iron (Fe)         | [7439-89-6] | 29,2                | %    | Peroxide Fusion ICP |        |
|                  | Gallium (Ga)      | [7440-55-3] | 0,00143             | %    | Peroxide F          |        |

|                   |             |          |   |            |           |
|-------------------|-------------|----------|---|------------|-----------|
|                   |             |          |   |            | usion ICP |
| Gadolinium (Gd)   | [7440-54-2] | 0,000406 | % | Peroxide F | usion ICP |
| Hafnium (Hf)      | [7440-58-6] | 0,000299 | % | Peroxide F | usion ICP |
| Holmium (Ho)      | [7440-60-0] | 0,000066 | % | Peroxide F | usion ICP |
| Indium (In)       | [7440-74-6] | 0,000052 | % | Peroxide F | usion ICP |
| Potassium (K)     | [7440-09-7] | 2,52     | % | Peroxide F | usion ICP |
| Lanthanum (La)    | [7439-91-0] | 0,0286   | % | Peroxide F | usion ICP |
| Lithium (Li)      | [7439-93-2] | 0,00162  | % | Peroxide F | usion ICP |
| Lutetium (Lu)     | [7439-94-3] | 0,00003  | % | Peroxide F | usion ICP |
| Magnesium (Mg)    | [7439-95-4] | 1,02     | % | Peroxide F | usion ICP |
| Manganese (Mn)    | [7439-96-5] | 0,485    | % | Peroxide F | usion ICP |
| Molybdenum (Mo)   | [7439-98-7] | 0,0388   | % | Peroxide F | usion ICP |
| Niobium (Nb)      | [7440-03-1] | 0,00054  | % | Peroxide F | usion ICP |
| Neodymium (Nd)    | [7440-00-8] | 0,00324  | % | Peroxide F | usion ICP |
| Nickel (Ni)       | [7440-02-0] | 0,0071   | % | Peroxide F | usion ICP |
| Phosphorus (P)    | [7723-14-0] | 0,095    | % | Peroxide F | usion ICP |
| Lead (Pb)         | [7439-92-1] | 0,00432  | % | Peroxide F | usion ICP |
| Praseodymium (Pr) | [7440-10-0] | 0,00128  | % | Peroxide F | usion ICP |
| Rubidium (Rb)     | [7440-17-7] | 0,0067   | % | Peroxide F | usion ICP |
| Antimony (Sb)     | [7440-36-0] | 0,00116  | % | Peroxide F |           |

|                |             |          |   |  |                         |
|----------------|-------------|----------|---|--|-------------------------|
|                |             |          |   |  | usion ICP               |
| Silicon (Si)   | [7440-21-3] | 12,57    | % |  | Peroxide F<br>usion ICP |
| Samarium (Sm)  | [7440-19-9] | 0,00045  | % |  | Peroxide F<br>usion ICP |
| Tin (Sn)       | [7440-31-5] | 0,00144  | % |  | Peroxide F<br>usion ICP |
| Strontium (Sr) | [7440-24-6] | 0,0287   | % |  | Peroxide F<br>usion ICP |
| Terbium (Tb)   | [7440-27-9] | 0,000054 | % |  | Peroxide F<br>usion ICP |
| Thorium (Th)   | [7440-29-1] | 0,000818 | % |  | Peroxide F<br>usion ICP |
| Titanium (Ti)  | [7440-32-6] | 0,29     | % |  | Peroxide F<br>usion ICP |
| Thulium (Tm)   | [7440-30-4] | 0,000029 | % |  | Peroxide F<br>usion ICP |
| Uranium (U)    | [7440-61-1] | 0,0059   | % |  | Peroxide F<br>usion ICP |
| Vanadium (V)   | [7440-62-2] | 0,0115   | % |  | Peroxide F<br>usion ICP |
| Tungsten (W)   | [7440-33-7] | 0,0176   | % |  | Peroxide F<br>usion ICP |
| Yttrium (Y)    | [7440-65-5] | 0,00173  | % |  | Peroxide F<br>usion ICP |
| Ytterbium (Yb) | [7440-64-4] | 0,000194 | % |  | Peroxide F<br>usion ICP |
| Silver (Ag)    | [7440-22-4] | 0,000404 | % |  | 4-Acid Dig<br>estion    |
| Aluminium (Al) | [7429-90-5] | 2,88     | % |  | 4-Acid Dig<br>estion    |
| Arsenic (As)   | [7440-38-2] | 0,066    | % |  | 4-Acid Dig<br>estion    |
| Beryllium (Be) | [7440-41-7] | 0,000046 | % |  | 4-Acid Dig<br>estion    |
| Bismuth (Bi)   | [7440-69-9] | 0,00164  | % |  | 4-Acid Dig<br>estion    |
| Calcium (Ca)   | [7440-70-2] | 3,27     | % |  | 4-Acid Dig              |

|                 |             |          |   |            |        |
|-----------------|-------------|----------|---|------------|--------|
|                 |             |          |   |            | estion |
| Cerium (Ce)     | [7440-45-1] | 0,0163   | % | 4-Acid Dig | estion |
| Chromium (Cr)   | [7440-47-3] | 0,00232  | % | 4-Acid Dig | estion |
| Cesium (Cs)     |             | 0,000053 | % | 4-Acid Dig | estion |
| Dysprosium (Dy) | [7429-91-6] | 0,000297 | % | 4-Acid Dig | estion |
| Erbium (Er)     | [7440-52-0] | 0,000182 | % | 4-Acid Dig | estion |
| Europium (Eu)   | [7440-53-1] | 0,000211 | % | 4-Acid Dig | estion |
| Iron (Fe)       | [7439-89-6] | 29,25    | % | 4-Acid Dig | estion |
| Gallium (Ga)    | [7440-55-3] | 0,00135  | % | 4-Acid Dig | estion |
| Gadolinium (Gd) | [7440-54-2] | 0,000379 | % | 4-Acid Dig | estion |
| Germanium (Ge)  | [7440-56-4] | 0,000038 | % | 4-Acid Dig | estion |
| Hafnium (Hf)    | [7440-58-6] | 0,00026  | % | 4-Acid Dig | estion |
| Holmium (Ho)    | [7440-60-0] | 0,000062 | % | 4-Acid Dig | estion |
| Indium (In)     | [7440-74-6] | 0,000051 | % | 4-Acid Dig | estion |
| Potassium (K)   | [7440-09-7] | 2,48     | % | 4-Acid Dig | estion |
| Lithium (Li)    | [7439-93-2] | 0,00152  | % | 4-Acid Dig | estion |
| Lutetium (Lu)   | [7439-94-3] | 0,000029 | % | 4-Acid Dig | estion |
| Magnesium (Mg)  | [7439-95-4] | 0,985    | % | 4-Acid Dig | estion |
| Manganese (Mn)  | [7439-96-5] | 0,463    | % | 4-Acid Dig | estion |
| Molybdenum (Mo) | [7439-98-7] | 0,0376   | % | 4-Acid Dig | estion |

|                   |              |          |   |  |            |
|-------------------|--------------|----------|---|--|------------|
|                   |              |          |   |  | estion     |
| Sodium (Na)       | [7440-23-5]  | 0,182    | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Niobium (Nb)      | [7440-03-1]  | 0,000525 | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Neodymium (Nd)    | [7440-00-8]  | 0,00295  | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Nickel (Ni)       | [7440-02-0]  | 0,0066   | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Phosphorus (P)    | [7723-14-0]  | 0,092    | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Lead (Pb)         | [7439-92-1]  | 0,00438  | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Praseodymium (Pr) | [7440-10-0]  | 0,00109  | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Rubidium (Rb)     | [7440-17-7]  | 0,0065   | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Rhenium (Re)      | [7440-15-5]  | 0,000018 | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Sulfur (S)        | [7704-34-9]  | 4,73     | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Antimony (Sb)     | [7440-36-0]  | 0,00114  | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Scandium (Sc)     | [7440-20-2]  | 0,000704 | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Selenium (Se)     | [7782-49-2]  | 0,000476 | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Samarium (Sm)     | [7440-19-9]  | 0,00041  | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Tin (Sn)          | [7440-31-5]  | 0,0012   | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Strontium (Sr)    | [7440-24-6]  | 0,0194   | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Tantalum (Ta)     | [7440-25-7]  | 0,000041 | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Terbium (Tb)      | [7440-27-9]  | 0,000054 | % |  | 4-Acid Dig |
|                   |              |          |   |  | estion     |
| Tellurium (Te)    | [13494-80-9] | 0,000188 | % |  | 4-Acid Dig |

|                |             |          |   |            |                |
|----------------|-------------|----------|---|------------|----------------|
|                |             |          |   |            | estion         |
| Thorium (Th)   | [7440-29-1] | 0,000667 | % | 4-Acid Dig | estion         |
| Titanium (Ti)  | [7440-32-6] | 0,271    | % | 4-Acid Dig | estion         |
| Thallium (Tl)  | [7440-28-0] | 0,00003  | % | 4-Acid Dig | estion         |
| Thulium (Tm)   | [7440-30-4] | 0,000025 | % | 4-Acid Dig | estion         |
| Uranium (U)    | [7440-61-1] | 0,0057   | % | 4-Acid Dig | estion         |
| Vanadium (V)   | [7440-62-2] | 0,0107   | % | 4-Acid Dig | estion         |
| Tungsten (W)   | [7440-33-7] | 0,0177   | % | 4-Acid Dig | estion         |
| Yttrium (Y)    | [7440-65-5] | 0,00166  | % | 4-Acid Dig | estion         |
| Ytterbium (Yb) | [7440-64-4] | 0,000184 | % | 4-Acid Dig | estion         |
| Zinc (Zn)      | [7440-66-6] | 0,0055   | % | 4-Acid Dig | estion         |
| Zirconium (Zr) | [7440-67-7] | 0,0098   | % | 4-Acid Dig | estion         |
| Silver (Ag)    | [7440-22-4] | 0,000376 | % | 3-Acid Dig | estion (no HF) |
| Arsenic (As)   | [7440-38-2] | 0,0654   | % | 3-Acid Dig | estion (no HF) |
| Cobalt (Co)    | [7440-48-4] | 0,0716   | % | 3-Acid Dig | estion (no HF) |
| Copper (Cu)    | [7440-50-8] | 2,54     | % | 3-Acid Dig | estion (no HF) |
| Iron (Fe)      | [7439-89-6] | 29,36    | % | 3-Acid Dig | estion (no HF) |

|                 |             |          |   |                          |
|-----------------|-------------|----------|---|--------------------------|
| Molybdenum (Mo) | [7439-98-7] | 0,0361   | % | 3-Acid Digestion (no HF) |
| Sulfur (S)      | [7704-34-9] | 4,98     | % | 3-Acid Digestion (no HF) |
| Silver (Ag)     | [7440-22-4] | 0,00037  | % | Aqua Regia Digestion     |
| Aluminium (Al)  | [7429-90-5] | 1,08     | % | Aqua Regia Digestion     |
| Arsenic (As)    | [7440-38-2] | 0,0647   | % | Aqua Regia Digestion     |
| Gold (Au)       | [7440-57-5] | 0,000148 | % | Aqua Regia Digestion     |
| Beryllium (Be)  | [7440-41-7] | 0,000033 | % | Aqua Regia Digestion     |
| Bismuth (Bi)    | [7440-69-9] | 0,00167  | % | Aqua Regia Digestion     |
| Calcium (Ca)    | [7440-70-2] | 3,11     | % | Aqua Regia Digestion     |
| Cerium (Ce)     | [7440-45-1] | 0,0181   | % | Aqua Regia Digestion     |
| Cobalt (Co)     | [7440-48-4] | 0,0705   | % | Aqua Regia Digestion     |
| Chromium (Cr)   | [7440-47-3] | 0,00226  | % | Aqua Regia Digestion     |
| Cesium (Cs)     |             | 0,000046 | % | Aqua Regia Digestion     |
| Copper (Cu)     | [7440-50-8] | 2,5      | % | Aqua Regia Digestion     |
| Iron (Fe)       | [7439-89-6] | 28,42    | % | Aqua Regia Digestion     |
| Gallium (Ga)    | [7440-55-3] | 0,00121  | % | Aqua Regia Digestion     |
| Hafnium (Hf)    | [7440-58-6] | 0,000131 | % | Aqua Regia Digestion     |
| Indium (In)     | [7440-74-6] | 0,00005  | % | Aqua Regia Digestion     |

|                 |             |          |   |                         |
|-----------------|-------------|----------|---|-------------------------|
| Potassium (K)   | [7440-09-7] | 0,588    | % | Aqua Regia<br>Digestion |
| Lanthanum (La)  | [7439-91-0] | 0,0223   | % | Aqua Regia<br>Digestion |
| Lithium (Li)    | [7439-93-2] | 0,00154  | % | Aqua Regia<br>Digestion |
| Lutetium (Lu)   | [7439-94-3] | 0,000024 | % | Aqua Regia<br>Digestion |
| Magnesium (Mg)  | [7439-95-4] | 0,958    | % | Aqua Regia<br>Digestion |
| Manganese (Mn)  | [7439-96-5] | 0,426    | % | Aqua Regia<br>Digestion |
| Molybdenum (Mo) | [7439-98-7] | 0,0353   | % | Aqua Regia<br>Digestion |
| Niobium (Nb)    | [7440-03-1] | 0,000159 | % | Aqua Regia<br>Digestion |
| Nickel (Ni)     | [7440-02-0] | 0,0063   | % | Aqua Regia<br>Digestion |
| Phosphorus (P)  | [7723-14-0] | 0,092    | % | Aqua Regia<br>Digestion |
| Lead (Pb)       | [7439-92-1] | 0,00472  | % | Aqua Regia<br>Digestion |
| Rubidium (Rb)   | [7440-17-7] | 0,00291  | % | Aqua Regia<br>Digestion |
| Sulfur (S)      | [7704-34-9] | 4,67     | % | Aqua Regia<br>Digestion |
| Scandium (Sc)   | [7440-20-2] | 0,000609 | % | Aqua Regia<br>Digestion |
| Selenium (Se)   | [7782-49-2] | 0,000528 | % | Aqua Regia<br>Digestion |
| Tin (Sn)        | [7440-31-5] | 0,00101  | % | Aqua Regia<br>Digestion |
| Strontium (Sr)  | [7440-24-6] | 0,0058   | % | Aqua Regia<br>Digestion |
| Terbium (Tb)    | [7440-27-9] | 0,000054 | % | Aqua Regia<br>Digestion |
| Thorium (Th)    | [7440-29-1] | 0,000679 | % | Aqua Regia<br>Digestion |



|                  |             |          |   |                                 |
|------------------|-------------|----------|---|---------------------------------|
| Titanium (Ti)    | [7440-32-6] | 0,145    | % | Aqua Regia<br>Digestion         |
| Thallium (Tl)    | [7440-28-0] | 0,000017 | % | Aqua Regia<br>Digestion         |
| Uranium (U)      | [7440-61-1] | 0,0055   | % | Aqua Regia<br>Digestion         |
| Vanadium (V)     | [7440-62-2] | 0,0106   | % | Aqua Regia<br>Digestion         |
| Tungsten (W)     | [7440-33-7] | 0,0158   | % | Aqua Regia<br>Digestion         |
| Yttrium (Y)      | [7440-65-5] | 0,00142  | % | Aqua Regia<br>Digestion         |
| Ytterbium (Yb)   | [7440-64-4] | 0,000158 | % | Aqua Regia<br>Digestion         |
| Zinc (Zn)        | [7440-66-6] | 0,0052   | % | Aqua Regia<br>Digestion         |
| Zirconium (Zr)   | [7440-67-7] | 0,00493  | % | Aqua Regia<br>Digestion         |
| Sulfur (S)       | [7704-34-9] | 5,56     | % | Infrared C<br>ombustion         |
| Specific Gravity |             | 3,49     |   | Gas / Liqu<br>id Pycnome<br>try |