

Customer: **POLYMET Commodities Ltd**

P.O.#

Date: 10-Dec-08

Job #

H08W1528

Customer ID: **Cu**  
**KQ-1205**

Shiva ID:

S081208015

| Element | Concentration<br>[ ppm wt ] | Element | Concentration<br>[ ppm wt ] |
|---------|-----------------------------|---------|-----------------------------|
| Li      | < 0.001                     | Ag      | 0.1                         |
| Be      | < 0.001                     | Cd      | < 0.01                      |
| B       | < 0.001                     | In      | < 0.005                     |
| F       | < 0.005                     | Sn      | < 0.005                     |
| Na      | 0.02                        | Sb      | < 0.005                     |
| Mg      | < 0.001                     | Te      | < 0.05                      |
| Al      | 0.004                       | I       | < 0.005                     |
| Si      | 0.01                        | Cs      | < 0.005                     |
| P       | < 0.001                     | Ba      | < 0.001                     |
| S       | 0.23                        | La      | < 0.001                     |
| Cl      | 0.2                         | Ce      | < 0.001                     |
| K       | 0.09                        | Pr      | < 0.001                     |
| Ca      | 0.006                       | Nd      | < 0.001                     |
| Sc      | < 0.001                     | Sm      | < 0.001                     |
| Ti      | < 0.001                     | Eu      | < 0.001                     |
| V       | < 0.001                     | Gd      | < 0.001                     |
| Cr      | < 0.005                     | Tb      | < 0.001                     |
| Mn      | < 0.001                     | Dy      | < 0.001                     |
| Fe      | 0.05                        | Ho      | < 0.001                     |
| Co      | < 0.001                     | Er      | < 0.001                     |
| Ni      | < 0.001                     | Tm      | < 0.001                     |
| Cu      | Matrix                      | Yb      | < 0.001                     |
| Zn      | < 0.01                      | Lu      | < 0.001                     |
| Ga      | < 0.01                      | Hf      | < 0.001                     |
| Ge      | < 0.005                     | Ta      | < 5                         |
| As      | < 0.005                     | W       | < 0.001                     |
| Se      | < 0.01                      | Re      | < 0.001                     |
| Br      | < 0.05                      | Os      | < 0.001                     |
| Rb      | < 0.001                     | Ir      | < 0.001                     |
| Sr      | < 0.001                     | Pt      | < 0.01                      |
| Y       | < 0.001                     | Au      | < 0.01                      |
| Zr      | < 0.001                     | Hg      | < 0.01                      |
| Nb      | < 0.005                     | Tl      | < 0.001                     |
| Mo      | < 0.005                     | Pb      | < 0.001                     |
| Ru      | < 0.005                     | Bi      | < 0.001                     |
| Rh      | < 0.05                      | Th      | < 0.0001                    |
| Pd      | < 0.005                     | U       | < 0.0001                    |

*Gaman Bhagat*