


# Portable Mineral Detection Services

Trusted.  
Independent.  
Committed.



SGS



Make faster decisions with rapid  
and consistent in-field analysis.

SGS portable mineral detection services combines field-based technologies, including XRF, with our world recognized analytical expertise. Benefiting from fast sample processing and shorter lead times you can make better and faster project decisions.

Our team tailors the calibration based on commodity to maintain high quality control standards to support mineral exploration, mining and metallurgical projects and goals.

#### Alloy-plus testing application

SGS's XRF Alloy-plus application can detect 26 elements for informatory purposes.

Key benefits include:

- Non-destructive testing performed for purity confirmation.
- Can be used during production, export and import.

The suite of elements detected in this application are: Mg, Al, Si, P, S, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Nb, Mo, Pd, Ag, Cd, Sn, Sb, Hf, Ta, Re, Pb, Bi.

Our team tailors the calibration based on commodity to maintain high quality control standards to support mineral exploration, mining and metallurgical projects and goals.

#### Geochemistry testing applications

SGS's XRF Geochemistry application can detect 39 elements for informatory purposes.

Key benefits include:

- Sample selection for laboratory analysis during initial mine site survey
- Selection of rock core during drilling operation for laboratory analysis

The suite of elements that can be detected are: Mg, Al, Si, P, S, Cl, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ar, Se, Rb, Sr, Y, Zr, Nb, Mo, Ag, Cd, Sn, Ba, La, Ce, Pr, Nd, W, Hg, Pb, Bi, Th, U.

#### Contact us

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SGS Natural Resources

WHEN YOU NEED TO BE SURE

**SGS**