

FIRE ASSAY AND CHEMICAL ANALYSIS

SAMPLE PREPARATION

	Amount (Php)
A. Crushing (First 5-kg sample)	P 210.00
For each additional 1 kg	20.00
B. Grinding (First 5-kg sample)	315.00
For each additional 1 kg	5.00

FIRE ASSAY

Ore samples submitted for fire assays should weigh at least **one (1) kg**. Bullion drillings in excess of **three (3) grams** shall be returned to the owner upon request.

Gold in Ores, sands or concentrates per sample	350.00
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CHEMICAL ANALYSIS

Wet Assay

Alumina (from Chromium and Manganese ores)	250.00
Calcium	165.00
Available Lime	200.00

Chloride	250.00
Copper	300.00
Iron (Total, from Silicates)	250.00
Iron (Total, from Chromium and Manganese ores)	165.00
Magnesium	165.00
Manganese	200.00
Silica	250.00
Sulfur (Free)	250.00
Sulfur (Total)	250.00
Zinc	300.00

ANALYSIS OF WATER

Total Solids (TS)	200.00
Total Dissolved Solids (TDS)	200.00
Total Suspended Solids (TSS)	400.00

FIRE ASSAY AND CHEMICAL ANALYSIS

MISCELLANEOUS DETERMINATIONS

	AMOUNT (Php)
pH	120.00
Moisture (H ₂ O @ 105°C)	100.00
Moisture (H ₂ O as received)	200.00
Loss on Ignition (LOI)	100.00

SAMPLE PREPARATION FOR CHEMICAL ANALYSIS (At least one (1) kg. sample required)

Drying of sample	30.00
Ore/Rock (Crushing, Grinding, Sieving)	150.00
Crushed Ore/Rock (Grinding, Sieving)	130.00
Pulp (Sieving)	50.00

CHEMICAL ANALYSIS OF GROUND AND SURFACE WATER

	AMOUNT(Php)
Cyanide (CN ⁻) – Using ISE	500.00
Mercury (Hg) – Using Mercury Analyzer	700.00

TRACE ELEMENT ANALYSIS USING AAS

ELEMENT (mg/L)	DETECTION LIMIT	
Chromium (Cr)	0.05	240.00
Copper (Cu)	0.02	200.00
Manganese (Mn)	0.03	200.00
Lead (Pb)	0.20	200.00
Zinc (Zn)	0.20	200.00

CHEMICAL ANALYSIS OF ROCKS, SOILS, STREAM SEDIMENTS AND SIMILAR MATERIALS

FLAME AAS (using Hydrofluoric Acid and Perchloric Acid Digestion)

ELEMENT	DETECTION LIMIT (ppm)	AMOUNT (Php)
Chromium (Cr)	5.0	300.00
Copper (Cu)	2.0	300.00
Manganese (Mn)	50.0	300.00
Lead (Pb)	10.0	300.00
Zinc (Zn)	2.0	300.00