

Laboratory Assay Spec Sheet

Technical mineral purity and metallurgical grade breakdown for material from the Olancho concessions, Honduras. Completed by the appointed independent laboratory.

SAMPLE IDENTIFICATION

CONCESSION / BLOCK	LOT OR CONSIGNMENT NUMBER
MATERIAL DESCRIPTION	SAMPLE TYPE (ROM / CONCENTRATE / DORE / BAR)
DATE SAMPLED	DATE RECEIVED BY LABORATORY
LABORATORY NAME AND ACCREDITATION	CERTIFICATE NUMBER

BASE AND INDUSTRIAL METALS

ELEMENT	METHOD	RESULT	UNIT	DETECTION LIMIT	PAYABLE BASIS
Copper (Cu)	ICP-OES / AAS after four-acid digest		%	0.001 %	96.5% of contained, less deductions
Iron (Fe)	Titration / XRF		%	0.01 %	Grade-based, 63.5% Fe reference
Cobalt (Co)	ICP-MS		%	0.001 %	By contract
Nickel (Ni)	ICP-OES		%	0.001 %	By contract
Antimony (Sb)	ICP-MS		%	0.0005 %	By contract
Zinc (Zn)	ICP-OES		%	0.001 %	Penalty element above limit
Lead (Pb)	ICP-OES		%	0.001 %	Penalty element above limit

PRECIOUS METALS

ELEMENT	METHOD	RESULT	UNIT	DETECTION LIMIT
Gold (Au)	Fire assay, 30 g charge, gravimetric finish		g/t or ppm	0.005 g/t
Gold fineness (dore / bar)	Fire assay with cupellation		parts per thousand	1 part
Silver (Ag)	Fire assay / ICP-OES		g/t or ppm	0.5 g/t

Platinum (Pt)	Fire assay, ICP-MS finish	g/t	0.005 g/t
Palladium (Pd)	Fire assay, ICP-MS finish	g/t	0.005 g/t

PENALTY ELEMENTS AND PHYSICAL PROPERTIES

DETERMINATION	METHOD	RESULT	CONTRACT LIMIT
Arsenic (As)	ICP-MS		0.50 %
Bismuth (Bi)	ICP-MS		0.05 %
Mercury (Hg)	Cold vapour AAS		10 ppm
Fluorine (F)	Ion selective electrode		330 ppm
Chlorine (Cl)	Ion selective electrode		500 ppm
Sulphur (S)	LECO combustion		By contract
Silica (SiO2)	XRF		By contract
Moisture content	Oven dry, 105 C to constant mass		Below TML
Size distribution (P80)	Wet screening		By contract
Bulk density	Gravimetric		By contract

QUALITY ASSURANCE

- ☐ Certified reference material inserted and within two standard deviations.
- ☐ Duplicate assay performed; variance within the contractual tolerance.
- ☐ Blank inserted and reported below detection limit.
- ☐ Sealed umpire samples retained for the contractual period and available on request.

CERTIFICATION

ANALYST

DATE

LABORATORY MANAGER

DATE

WITNESSED BY (BUYER / KWE)

DATE