

**SP0121814
FINAL REPORT**



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Multi Element Package

Cornerstone Industrial Minerals Corp. USA

COPIES TO : David Dooley CLIENT REFERENCE No: Sample 1 RECEIVED : 30-Mar-2018
: No. SAMPLES : 1 REPORTED : 18-May-2018
: MAIN SAMPLE TYPE : PULP

COMPANY DISCLAIMER :-

When small samples are submitted, AAL may process the sample at smaller than specified weights to retain some pulp for quality control reassay. When Values exceed upper limits, AAL will run an Over Range analysis, to establish an accurate value. Additional cost will apply. Due to USDA Soil Quarantine programs - all foreign and some domestic soil material must be decontaminated by drying @ 125c for 48 hours, which will result in loss of Mercury (Hg).

NEVADA LEGISLATIVE DISCLAIMER :-

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. Nevada State Law NRS 519.130.

ANALYSIS	Wt	Ag	Al2O3	As	Au	B	BaO	Be	Bi	CaO	Cd	Ce	Co	Cr2O3	Cu	Dy	Er	Eu	Fe2O3	Ga	Gd	Ge	Hf	Hg	Ho	In
METHOD	BRPP2KG	ICP-2A	leRock	ICP-2A	ICP-2A	ICP-2A	leRock	ICP-2A	ICP-2A	leRock	ICP-2A	ICP-2A	leRock	ICP-2A	ICP-2A	ICP-2A	leRock	ICP-2A	ICP-2A	leRock	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A
UNIT	kg	ppm	pct	ppm	ppm	ppm	pct	ppm	ppm	pct	ppm	ppm	ppm	pct	ppm	ppm	ppm	ppm	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOWER LIMIT	0.01	0.1	0.01	1	2	3	0.01	0.02	1	0.01	0.2	1	1	0.01	1	1	1	0.5	0.01	2	1	2	2	0.2	0.5	1

ANALYSIS	Ir	K2O	La	Li	Lu	MgO	MnO	Mo	Na2O	Nb	Nd	Ni	Os	P2O5	Pb	Pd	Pr	Pt	Rb	Re	Rh	Ru	S	Sb	Sc	Se
METHOD	ICP-2A	leRock	ICP-2A	ICP-2A	ICP-2A	leRock	leRock	ICP-2A	leRock	ICP-2A	ICP-2A	ICP-2A	leRock	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A
UNIT	ppm	pct	ppm	ppm	ppm	pct	pct	ppm	pct	ppm	ppm	ppm	ppm	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOWER LIMIT	5	0.01	1	1	1	0.01	0.01	1	0.01	2	1	1	5	0.01	2	5	1	5	5	5	10	10	20	1	0.5	1

ANALYSIS	SiO2	Sm	Sn	SrO	Ta	Tb	Te	Th	TiO2	Tl	Tm	U	V2O5	W	Y	Yb	Zn	Zr	LOI	Quartz	dymite	bestos
METHOD	WholeRock	ICP-2A	ICP-2A	leRock	ICP-2A	ICP-2A	ICP-2A	ICP-2A	leRock	ICP-2A	ICP-2A	ICP-2A	leRock	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	leRock	XRD	XRD	XRD
UNIT	pct	ppm	ppm	pct	ppm	ppm	ppm	ppm	pct	ppm	ppm	ppm	pct	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct	pct
LOWER LIMIT	0.01	1	1	0.01	5	0.1	5	3	0.01	3	1	3	0.01	1	1	1	1	1	0.01	0.01	0.01	0.01

SIGNATORY

ANALYSIS

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	<u>Abbreviation</u>	<u>Definition</u>	
Preparation	DIP	Sample Destroyed in Preparation	
	DIS	Sample Destroyed in Shipment	
	ISS	Insufficient Sample Submitted	
	SDI	Sample Diesel Impregnate	
	SHI	Sample Hydraulic Impregnate	
	SNR	Sample Not Received	
Analysis	STD - ??	International Reference Material Standard	
	STD - AAL##	AAL generated standard material	
	BLANK	AAL Laboratory Silica Blank	
	DTF	Data to Follow	
	DL	Detection Limit of Method	
	< or -	Less Than Lower Detection Limit of Method	
	>	Greater than Upper Limit of Method	
	N/A	Not Analyzed	
	NR	Not Reported	
	(R) column	Laboratory repeat weigh, digestion, analysis from original pulp or reject resp	
	D or -D after Sample II	Client submitted duplicate rig split sample	
	-R after Sample II	Repeat analysis from original pulp reweigh, digestion and analysis	
	-X after Sample II	Repeat analysis from reject resp, preparation, weigh, digestion and analysis	
	ppb	Parts per Billion 0.001 ppm = 1 ppb	
	ppm	Parts per Million 1 ppm = 1 mg/Kg	
	OPT	Troy Ounces per Short Ton(2,000 lbs)(1 ppm= 0.02917 OPT	
	Oz	Troy Ounce = 31.103 grams	
	%	Percent 1%=10,000 ppb	
	g	Grams 1g=0.001 kilogram	
	mg	Milligrams 1mg=0.001gram	
	Kg	Kilograms 1Kg=1000gram	
	lbs	Pounds 1lb=0.454kilogram	
	Method	FA-PB##	Fire Assay Lead Collection - ## sample weight in gram
GRAV		Gravimetric (Weighed) finish	
SF		Screen Fire Assay reporting a plus, 2 minus fractions and a head Ca	
+ ###		Plus Fraction (Retained on top of Mesh) ###Screen Siz	
- ###		Minus Fraction (Passed through Mesh) ###Screen Siz	
CN		Cyanide Extractor	
ORE GRADE		2g sample made to 1000ml volumetric for results > upper limit of method	
Ox-H2SO4 or -HCl		Dilute acid leach for oxide fraction in copper or molybdenum analysis	
QLA		Dilute 10%H2SO4/0.5%Fe2(SO4)3 30C leach for acid soluble copper	
QLT		Dilute 15%H2SO4 30C leach for acid soluble copper	
SAP		Dilute 5%H2SO4/0.5%Fe2(SO4)3 85C leach for acid soluble & chalcocite copper	
D#A		Digestion #=2,3 or 4 Acid: 2A=HCl/HNO3 3A=HCl/HNO3/HClO4 4A=HCl/HNO3/HF/HClC	
HCl		Hydrochloric Acid(37%w/v) Boiling Point 109	
HF		Hydrofluoric Acid(48%w/v) Boiling Point 108C Extreme Health Hazard	
HClO4		Perchloric Acid(69%w/v) Boiling Point 203C Extreme Fire/Explosion Hazard	
HNO3		Nitric Acid(69%w/v) Boiling Point 121	
H2SO4		Sulfuric Acid(98% w/v) Boiling Point 338	
ICP-xB or -x2		ICP-AES and/or ICP-MS analysis using x=2, 3 or 4 acid digester	
LiBO2-C		Lithium Metaborate fusion in Carbon crucible	
Na2O2-C		Sodium Peroxide fusion in Carbon crucible	
Na2O2-Zr		Sodium Peroxide fusion in Zirconium crucible	
Technique		AAS	Atomic Absorption Spectroscopy
		ICP-AES	Inductively Coupled Plasma Atomic Emission Spectroscopy
	ICP-MS	Inductively Coupled Plasma Mass Spectroscopy	
	RG	Research Grade (Low detection limit ICP-AES)	
	UT	Ultra Trace (ICP-AES+ICP-MS analyses)	
	XRF-ED or -WE	X-Ray Fluorescence (-ED = Energy Dispersive) (-WD = Wavelength Dispersive)	
	XRD	X-Ray Diffractor	
	ELTRA-I	Carbon & Sulfur infrared detection analyzer inductive heating	
	ELTRA-R	Carbon, Hydrogen & Sulfur infrared detection analyzer resistance furnace	
	LECO-I	Nitrogen & Oxygen infrared detection analyzer inductive heating	
	MW	Microwave Digestion (-PT is at 1500psig and 300C	
	SG-WD or -HF	Specific Gravity-WD=Water Displacement -HP=Helium Pycnometer 1g/cm3=62.4lbs/ft	

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	Wt	Ag	Al2O3	As	Au	B	BaO	Be	Bi	CaO	Cd	Ce	Co	Cr2O3	Cu	Dy	Er	Eu
	BRPP2KG	ICP-2A	WholeRock	ICP-2A	ICP-2A	ICP-2A	WholeRock	ICP-2A	ICP-2A	WholeRock	ICP-2A	ICP-2A	ICP-2A	WholeRock	ICP-2A	ICP-2A	ICP-2A	ICP-2A
	0.01	0.1	0.01	1	2	3	0.01	0.02	1	0.01	0.2	1	1	0.01	1	1	1	0.5
SAMPLES	kg	ppm	pct	ppm	ppm	ppm	pct	ppm	ppm	pct	ppm	ppm	ppm	pct	ppm	ppm	ppm	ppm
Sample 1		0.1	13.00	1	<2	NA	0.03	2.85	<1	0.92	<0.2	24	<1	<0.01	5	4	2	<0.5

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	Fe2O3	Ga	Gd	Ge	Hf	Hg	Ho	In	Ir	K2O	La	Li	Lu	MgO	MnO	Mo	Na2O
	WholeRock	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	WholeRock	ICP-2A	ICP-2A	ICP-2A	WholeRock	WholeRock	ICP-2A	WholeRock
	0.01	2	1	2	2	0.2	0.5	1	5	0.01	1	1	1	0.01	0.01	1	0.01
SAMPLES	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppm	ppm	ppm	pct	pct	ppm	pct
Sample 1	0.90	16	3	<2	4	<0.2	0.8	<1	<5	4.92	14	54	<1	0.08	0.07	3	3.53

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	Nb	Nd	Ni	Os	P2O5	Pb	Pd	Pr	Pt	Rb	Re	Rh	Ru	S	Sb	Sc	Se	SiO2	Sm
	ICP-2A	ICP-2A	ICP-2A	ICP-2A	WholeRock	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	WholeRock	ICP-2A
	2	1	1	5	0.01	2	5	1	5	5	5	10	10	20	1	0.5	1	0.01	1
SAMPLES	ppm	ppm	ppm	ppm	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppm
Sample 1	11	10	2	NA	<0.01	17	<5	<1	<5	108	<5	<10	<10	188	<1	2.3	<1	71.86	3

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	Sn	SrO	Ta	Tb	Te	Th	TiO2	Tl	Tm	U	V2O5	W	Y	Yb	Zn	Zr	LOI
	ICP-2A	WholeRock	ICP-2A	ICP-2A	ICP-2A	ICP-2A	WholeRock	ICP-2A	ICP-2A	ICP-2A	WholeRock	ICP-2A	ICP-2A	ICP-2A	ICP-2A	ICP-2A	WholeRock
SAMPLES	1	0.01	5	0.1	5	3	0.01	3	1	3	0.01	1	1	1	1	1	0.01
	ppm	pct	ppm	ppm	ppm	ppm	pct	ppm	ppm	ppm	pct	ppm	ppm	ppm	ppm	ppm	pct
Sample 1	2	<0.01	<5	<0.1	<5	9	0.04	<3	<1	4	<0.01	1	19	3	27	64	3.33

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	a-Quartz	Cristobalite/Tridymite	Chrysotile/Asbestos
	XRD	XRD	XRD
	0.01	0.01	0.01
	pct	pct	pct
SAMPLES			
Sample 1	<0.01	<0.01	<0.01