

Black Lava
35 Element Semi-Quantitative Emission Spectrograph

Element	(PPM)	(%)	Lower Detection Limit
Gold	N		10
Silver	N		0.5
Copper	30.0		5
Lead	50.0		200
Zinc	N		200
Molybdenum	N		5
Iron		5.0	0.05
Tungsten	N		50
Nickel	50.0		5
Cobalt	20.0		5
Chromium	70.0		10
Cadmium	N		20
Arsenic	N		200
Antimony	N		100
Manganese	300.0		10
Vanadium	100.0		10
Bismuth	N		10
Tin	N		10
Zirconium	50.0		10
Boron	N		10
Barium	150.0		20
Beryllium	N		1
Lanthanum	N		20
Niobium	10.0		20
Scandium	5.0		5
Strontium	100.0		100
Yttrium	N		10
Calcium		1.5	0.05
Magnesium		2.0	0.02
Titanium		0.3	0.002
Sodium		3.0	0.15
Aluminum		3.0	0.5
Potassium	N		0.5
Silicon		30.0	2.0
Phosphorus	N		0.1

- N = Not detected
L = Detected, but below limit of determination
G = Greater than value shown
PPM = Parts per million