

**REPORT N°.: 90502/03096/13**

**REQUIRER** : NEIMAN CORPORATIVA EPS BRASIL MINERASORES LDA  
**SAMPLE** : COPPER ORE  
**IDENTIFICATION** : MINA COBRE SANTA BLANDINA – ITAPEVA (SAO PAULO)  
**PURPOSES** : CHEMICAL COMPOSITION

**ANALYSIS**

On 18th December 2013, we have received one (1) sample Copper Ore, for analysis submitted by NEIMAN CORPORATIVA.

Identification on the sample :

Copper Ore  
Mina Cobre Santa Blandina  
Itapeva (Sao Paulo)  
17.12.13

The following results were obtained :

Moisture (at 105°C):	2,28 %	Phosphorus (P) :	0,18 %
Loss Ignition (at 950°C):	2,68 %	Zirconium (Zr) :	<0,10 %
Copper (Cu) :	10,30 %	Chrome (Cr) :	<0,03 %
Silicium (Si) :	45,30 %	Barium (Ba) :	0,20 %
Aluminium (Al) :	2,17 %	Strontium (Sr) :	<0,03 %
Calcium (Ca) :	13,30 %	Molibdenum (Mo) :	0,03 %
Iron (Fe) :	9,04 %	Vanadium (V) :	<0,03 %
Magnesium (Mg) :	6,49 %	Zinc (Zn) :	<0,03 %
Manganese (Mn) :	0,33 %	Nickel (Ni) :	<0,03 %
Titanium (Ti) :	0,13 %	Cobalt (Co) :	<0,03 %
Sodium (Na) :	0,12 %	Carbon (C) :	0,17 %
Potassium (K) :	0,88 %	Sulphur (S) :	0,13 %

Results in Dry Basis

Method : By ICP, as per P114/P311/P429 Procedures.

The assayed sample remain in our reserve for eventual checking

Bilbao, 09<sup>th</sup> January 2014



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