

# BASE METALS

## BHP BILLITON ANTAMINA ZINC CONCENTRATES



ANTAMINA, PERU

### TYPICAL ANALYSIS

Element	Unit	Typical Specs
Zn	%	47 – 54
Pb	%	0.3 – 0.5
Fe	%	4.0 – 5.0
Ag	ppm	40 – 60
S	%	28 – 33
SiO <sub>2</sub>	%	2 – 4
Cu	%	1.5 – 3.0
Al	ppm	100 – 800
As	ppm	10 – 600
Au	ppm	0.1 – 0.4
Sb	ppm	< 30
Cd	ppm	500 – 1,500
Cl	ppm	10 – 100
Bi	ppm	30 – 400
Hg	ppm	0.3 – 1.5
Co	ppm	300 – 500
Ni	ppm	5 – 20
F	ppm	0.1 – 0.3
Ca	ppm	2,300 – 7,000
Mg	ppm	300 – 400
Mn	ppm	700 – 3,400
Ge	ppm	< 5
Se	ppm	60 – 90

*The typical specifications set out above are indicative only. Seller does not warrant compliance with the typical specifications and reserves the right to amend them at any time.*

*Information updated as of September 2008*