

Product Specification Sheet

WATERANGA APATITE TYPICAL ANALYSIS OF PRODUCTS February 2008

Element	Units	Analysis
TiO ₂	%	0.08
Fe ₂ O ₃	%	0.42
SiO ₂	%	3.59
Al ₂ O ₃	%	1.88
Cr ₂ O ₃	%	0.004
MgO	%	0.15
MnO	%	0.06
ZrO ₂ +*HfO ₂	%	0.32
P ₂ O ₅	%	38.4
U	ppm	25
Th	ppm	19
V ₂ O ₅	%	0.01
Nb ₂ O ₅	%	0.064
SO ₃	%	0.01
CaO	%	52.7
K ₂ O	%	0.02
CeO ₂	%	0.162
As	ppm	20
Cd	ppm	-10
Ce	ppm	931
Dy	ppm	98
Er	ppm	41
Eu	ppm	30
Gd	ppm	152
Ho	ppm	21
La	ppm	378
Lu	ppm	4
Nd	ppm	503
Pr	ppm	113
Sb	ppm	-2
Sc	ppm	-20
Sm	ppm	117
Tb	ppm	16
Tm	ppm	5
Y	ppm	499
Yb	ppm	27

Apatite		
screen size (μm)	wt %	Cum wt % Retained
		0.00
212	0.10	0.10
180	1.03	1.13
150	5.03	6.16
125	8.21	14.37
106	11.65	26.02
90	16.70	42.72
75	21.23	63.95
53	27.05	91.00
-53	9.00	100.00
total	100.00	
	D50	84.9

