Rutile Sand

Product: Rutile sand

Grade: 89 %

Chemical Composition:		
Element	Unit	Value
Moisture Content (H2O)	%	0.12
TITANIUM OXIDE	%	90.52
IRON OXIDE III	%	1.69
VANADIUM OXIDE	%	0.29
CHROMIUM OXIDE III	%	0-20
90	%	0.30
Al2O3	%	1.23
SiO2	%	2.54
NOBIUM_OXIDE V	%	0.23
CaO	%	0.05
ZIRCONIUM OXIDE	%	2.06
URANIUM	ppm	38.37
THORIUM	ppm	140.93
PHOSPHORUS	%	0.04
SULFUR	%	0.17
URANIUM + THORIUM	ppm	179.30

Rutile Sand

Particle Size Distribution:		
Sieve Size (microns)	**Retained %**	**Cumulative %**
180	2.30	2.30
150	8.79	11.09
125	17.88	28.97
V106	36.86	65.83
90	19.78	85.61
75	11.19	96.80
53	3.20	100.00
D50	114.16	µm

Product: Rutile sand

Grade: 92 %

Chemical Composition:		
Element	**Unit**	**Value**
TiO2	%	92.7
Fe2O3	%	0.92
ZrO2	%	2.59

Rutile Sand

SiO2	%	1.86
Cr2O3	%	0.12
Al2O3	%	0.31
P2O5	%	0.03
MnO	%	0.02
CaO	%	0.01
MgO	%	0.54
V2O5	%	0.45
Nb2O5	%	0.47
S	%	<0.01
Th + U	ppm	160

Product: Rutile sand

Grade: 95 %

Composition		**Specification**	
TiO2 w/%	≥	95	95.33
S w/%	≥	0.03	0.02
P w/%	≥	0.03	0.02

Rutile Sand

V w/%	≥	1.0	0.58
Nb w/%	≥	0.5	0.18
SiO2 w/%	≥	1.5	0.88
LOI(10000 C) w/%	≥	0.2	0.09
ZrO2 w/%			1.75
Fe2O3 w/%			0.30
Al2O3 w/%			0.26
Cr2O3 w/%			0.21
CaO w/%			0.01
MgO w/%			0.03
Total			99.66

Rutile Sand

Particle Size Distribution	
+50 mesh	All Pass
-200 mesh	<10%

Typical Particle Size	
+50 mesh	0%
+100 mesh	20.89%
+140 mesh	45.56%
+170 mesh	13.34%
+200 mesh	11.39%
-200 mesh	8.82%