

**SPECIFICATION OF ZIRCONIUM SILICATE****1 Product Code:** RZ-130**2 Typical Chemical Analysis:**

Characteristic	Test method	Content
2.1 Zirconium oxide content $ZrO+(HfO_2)$ , % (m/m)	TCVN 7368 : 2007	min 57.8
2.2 Silicon dioxide content ( $SiO_2$ ), % (m/m)	TCVN 6533 : 1999	36.5
2.3 Oxide titan content ( $TiO_2$ ), % (m/m)	Ref. AOAC 2010 (990.08) - ICP	0.13
2.3 Aluminum oxide content ( $Al_2O_3$ ), % (m/m)	Ref. AOAC 2010 (990.08) - ICP	0.90
2.4 Iron oxide content ( $Fe_2O_3$ ), % (m/m)	Ref. AOAC 2010 (990.08) - ICP	0.07
2.6 Partical Size Distribution (Details as attached chart)		D50 $\leq$ 1.40 $\mu$ m D95 $\leq$ 3.70 $\mu$ m

**3 Typical Physical Property:**

Chemical Formular	$ZrSiO_4$	Crystal System	Tetragonal
Colour	White	Melting Point	2,200~2,500°C
Specific Gravity	4.6~4.8	Flash Point	None
Bulk Density	2,600~2,900Kg/m <sup>3</sup>	Exploration Limit	None
Hardness (Mohs)	7.5	Volatise	None
Reactivity	Inert	Solubility (water)	Insolution

**4 Manufacturer:** ROCK TEAM INDUSTRY (VN) CO., LTD.**5 Package:** 25Kg paper bag

Sample Name : RZ-130

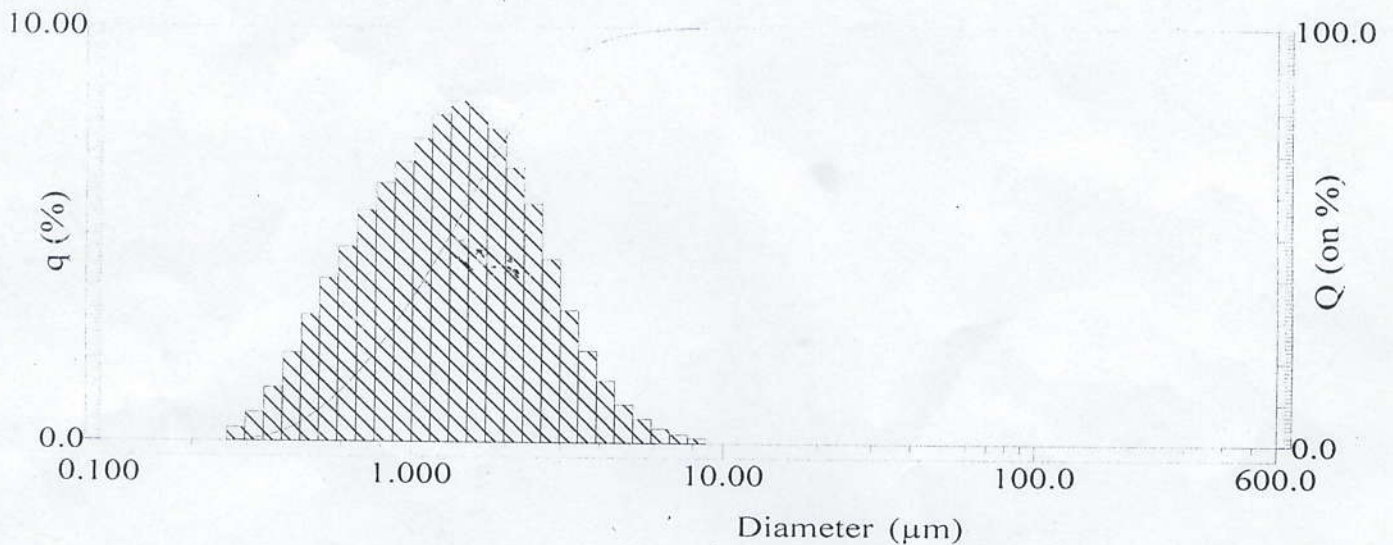
Median : 1.3163 (μm)

Filename : 5292013170119  
 Circulation Speed : 7  
 Ultra sonic : 00:57  
 Laser T% : 81.1 (%)  
 Form of Distribution : Standard  
 R.R.Index : 1.80-0.00i

Mean : 1.5769 (μm)  
 Mode : 1.4129 (μm)

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Diameter on %	(1) 5.000 (%) - 0.4561 (μm)	(7) 70.00 (%) - 1.8436 (μm)
	(2) 10.00 (%) - 0.5554 (μm)	(8) 80.00 (%) - 2.2389 (μm)
	(3) 20.00 (%) - 0.7339 (μm)	(9) 90.00 (%) - 2.8999 (μm)
	(4) 30.00 (%) - 0.9125 (μm)	(10) 95.00 (%) - 3.6116 (μm)
	(5) 40.00 (%) - 1.1059 (μm)	
	(6) 60.00 (%) - 1.5528 (μm)	



No.	Diameter(μm)	q (%)	Upper %	No.	Diameter(μm)	q (%)	Upper %	No.	Diameter(μm)	q (%)	Upper %
1	0.115	0.000	0.000	28	4.472	1.495	97.775	55	174.616	0.000	100.000
2	0.131	0.000	0.000	29	5.122	0.937	98.712	56	200.000	0.000	100.000
3	0.150	0.000	0.000	30	5.867	0.583	99.295	57	229.075	0.000	100.000
4	0.172	0.000	0.000	31	6.720	0.357	99.652	58	262.376	0.000	100.000
5	0.197	0.000	0.000	32	7.697	0.218	99.870	59	300.518	0.000	100.000
6	0.226	0.000	0.000	33	8.816	0.130	100.000	60	344.206	0.000	100.000
7	0.259	0.000	0.000	34	10.097	0.000	100.000	61	394.244	0.000	100.000
8	0.296	0.322	0.322	35	11.565	0.000	100.000	62	451.556	0.000	100.000
9	0.339	0.685	1.007	36	13.246	0.000	100.000	63	517.200	0.000	100.000
10	0.389	1.295	2.302	37	15.172	0.000	100.000	64	592.387	0.000	100.000
11	0.445	2.142	4.444	38	17.377	0.000	100.000				
12	0.510	3.071	7.515	39	19.904	0.000	100.000				
13	0.584	3.936	11.450	40	22.797	0.000	100.000				
14	0.669	4.714	16.164	41	26.111	0.000	100.000				
15	0.766	5.603	21.767	42	29.907	0.000	100.000				
16	0.877	6.271	28.039	43	34.255	0.000	100.000				
17	1.005	6.773	34.812	44	39.234	0.000	100.000				
18	1.151	7.351	42.163	45	44.938	0.000	100.000				
19	1.318	7.920	50.084	46	51.471	0.000	100.000				
20	1.510	8.241	58.325	47	58.953	0.000	100.000				
21	1.729	8.102	66.427	48	67.523	0.000	100.000				
22	1.981	7.579	74.006	49	77.339	0.000	100.000				
23	2.269	6.642	80.648	50	88.583	0.000	100.000				
24	2.599	5.773	86.420	51	101.460	0.000	100.000				
25	2.976	4.427	90.848	52	116.210	0.000	100.000				
26	3.409	3.205	94.052	53	133.103	0.000	100.000				
27	3.905	2.228	96.280	54	152.453	0.000	100.000				