

SPECIFICATION OF ZIRCONIUM SILICATE**1 Product Code:** RZ-140**2 Typical Chemical Analysis:**

| Characteristic | Test method | Content |
|---|-------------------------------|--|
| 2.1 Zirconium oxide content $ZrO+(HfO_2)$, % (m/m) | TCVN 7368 : 2007 | min 54 |
| 2.2 Silicon dioxide content (SiO_2), % (m/m) | TCVN 6533 : 1999 | 38.70 |
| 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 1.50 μm D95 \leq 5.10 μm |

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 ³ | 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-140

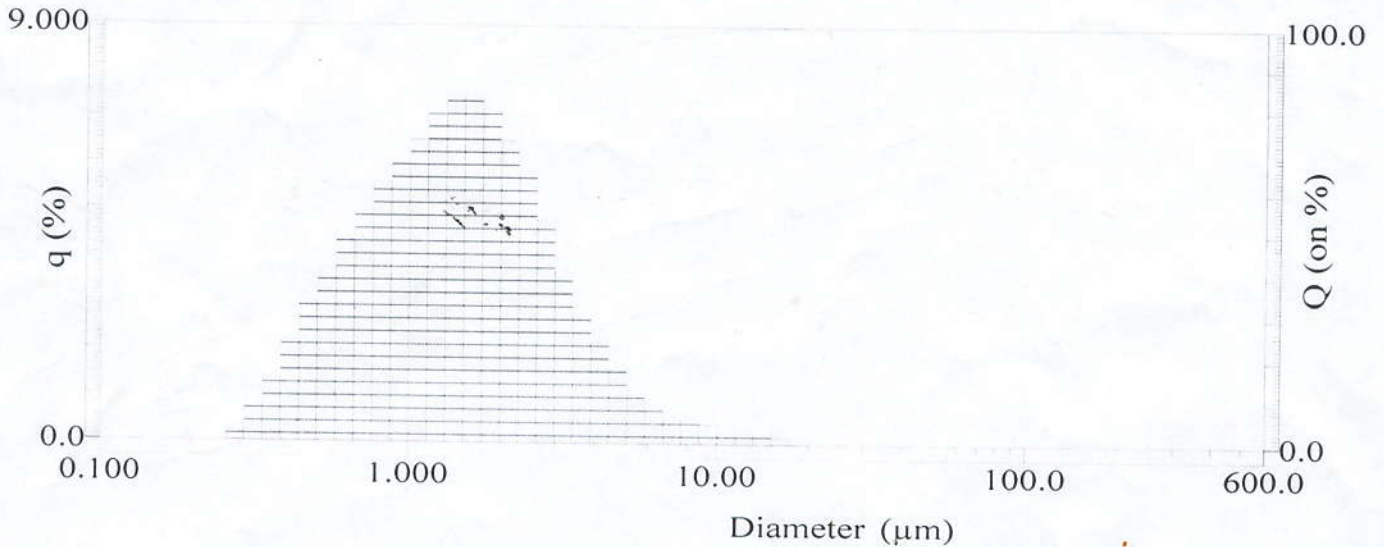
Median : 1.4221 (μm)

Filename : 8252718050718
Circulation Speed : 7
Ultra sonic : 02:24
Laser T% : 83.5 (%)
Form of Distribution : Standard
R.R.Index : 1.80-0.00i

Mean : 1.9211 (μm)
Mode : 1.6113 (μm)

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| | | | | |
|-----------------|-----------------|-------------|------------------|-------------|
| Diameter on % : | (1) 5.000 (%) - | 0.4517 (μm) | (7) 70.00 (%) - | 2.0696 (μm) |
| | (2) 10.00 (%) - | 0.5549 (μm) | (8) 80.00 (%) - | 2.5842 (μm) |
| | (3) 20.00 (%) - | 0.7510 (μm) | (9) 90.00 (%) - | 3.6321 (μm) |
| | (4) 30.00 (%) - | 0.9545 (μm) | (10) 95.00 (%) - | 5.0157 (μm) |
| | (5) 40.00 (%) - | 1.1784 (μm) | | |
| | (6) 60.00 (%) - | 1.7056 (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 | 2.157 | 93.662 | 55 | 174.616 | 0.000 | 100.000 |
| 2 | 0.131 | 0.000 | 0.000 | 29 | 5.122 | 1.583 | 95.245 | 56 | 200.000 | 0.000 | 100.000 |
| 3 | 0.150 | 0.000 | 0.000 | 30 | 5.867 | 1.190 | 96.436 | 57 | 229.075 | 0.000 | 100.000 |
| 4 | 0.172 | 0.000 | 0.000 | 31 | 6.720 | 0.904 | 97.339 | 58 | 262.376 | 0.000 | 100.000 |
| 5 | 0.197 | 0.000 | 0.000 | 32 | 7.697 | 0.683 | 98.023 | 59 | 300.518 | 0.000 | 100.000 |
| 6 | 0.226 | 0.000 | 0.000 | 33 | 8.816 | 0.536 | 98.559 | 60 | 344.206 | 0.000 | 100.000 |
| 7 | 0.259 | 0.000 | 0.000 | 34 | 10.097 | 0.420 | 98.980 | 61 | 394.244 | 0.000 | 100.000 |
| 8 | 0.296 | 0.364 | 0.364 | 35 | 11.565 | 0.329 | 99.309 | 62 | 451.556 | 0.000 | 100.000 |
| 9 | 0.339 | 0.753 | 1.117 | 36 | 13.246 | 0.255 | 99.564 | 63 | 517.200 | 0.000 | 100.000 |
| 10 | 0.389 | 1.374 | 2.490 | 37 | 15.172 | 0.193 | 99.757 | 64 | 592.387 | 0.000 | 100.000 |
| 11 | 0.445 | 2.182 | 4.673 | 38 | 17.377 | 0.142 | 99.899 | | | | |
| 12 | 0.510 | 3.004 | 7.677 | 39 | 19.904 | 0.101 | 100.000 | | | | |
| 13 | 0.584 | 3.713 | 11.390 | 40 | 22.797 | 0.000 | 100.000 | | | | |
| 14 | 0.669 | 4.318 | 15.708 | 41 | 26.111 | 0.000 | 100.000 | | | | |
| 15 | 0.766 | 5.021 | 20.729 | 42 | 29.907 | 0.000 | 100.000 | | | | |
| 16 | 0.877 | 5.557 | 26.286 | 43 | 34.255 | 0.000 | 100.000 | | | | |
| 17 | 1.005 | 5.978 | 32.265 | 44 | 39.234 | 0.000 | 100.000 | | | | |
| 18 | 1.151 | 6.505 | 38.770 | 45 | 44.938 | 0.000 | 100.000 | | | | |
| 19 | 1.318 | 7.067 | 45.836 | 46 | 51.471 | 0.000 | 100.000 | | | | |
| 20 | 1.510 | 7.453 | 53.289 | 47 | 58.953 | 0.000 | 100.000 | | | | |
| 21 | 1.729 | 7.472 | 60.761 | 48 | 67.523 | 0.000 | 100.000 | | | | |
| 22 | 1.981 | 7.142 | 67.904 | 49 | 77.339 | 0.000 | 100.000 | | | | |
| 23 | 2.269 | 6.486 | 74.390 | 50 | 88.583 | 0.000 | 100.000 | | | | |
| 24 | 2.599 | 5.848 | 80.238 | 51 | 101.460 | 0.000 | 100.000 | | | | |
| 25 | 2.976 | 4.771 | 85.009 | 52 | 116.210 | 0.000 | 100.000 | | | | |
| 26 | 3.409 | 3.671 | 88.680 | 53 | 133.103 | 0.000 | 100.000 | | | | |
| 27 | 3.905 | 2.825 | 91.505 | 54 | 152.453 | 0.000 | 100.000 | | | | |