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Certificate Of Analysis

Product: Zirconium oxide yttria stabilized (ZrO₂.Y₂O₃)

CAS No.: 308076-80-4

Test Data

| Test Items | Test results | Unit |
|-----------------------------|--------------|-------------------|
| Appearance | Powder | |
| Powder Velocity | 155.31 | sec/50g |
| Apparent Density | 1.305 | g/cm ³ |
| Monoclinic ZrO ₂ | 1.24 | wt% |
| Thermal Conductivity | 1.13 | W/mK |
| Thermal Expansion | 10 | um/m/°C |
| Size(D50) | 58.84 | um |

Component Analysis

| Item | Test Value | Unit | Item | Test Value | Unit |
|--------------------------------|------------|------|--------------------------------|------------|------|
| HfO ₂ | 1.35 | % | Y ₂ O ₃ | 7.12 | % |
| SiO ₂ | <0.01 | % | Al ₂ O ₃ | <0.01 | % |
| Fe ₂ O ₃ | <0.01 | % | TiO ₂ | <0.01 | % |
| Others | <0.01 | % | | | |

Conclusion:

Qualified

Date:2022.08.08



Justha