METALSTEK

INSPECTION REPORT

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Keyue Advanced Materials LLC, Wyoming, USA

Lot No.: ZX20260403105
Test Date: Apr. 3, 2026

Product: Grade 95 Zirconia Beads

Size: 0.4–0.6 mm | Composition: Y-TZP | Inspection Type: Routine

Performance and Composition

Test Item	Unit	Specification	Inspection Result
Wear Loss	ppm/hr	≤0.3	0.3
Density	g/cm³	≥6.0	6.02
Vickers Hardness	HV	≥1200	1280
Crushing Strength	kgf	—	—
Size	mm	0.4–0.6	0.4–0.6
Roundness	%	95	95
Bulk Density	g/cm³	3.6–3.7	3.65
ZrO_2	wt.%	≥94.5	94.80
Y_2O_3	wt.%	5.0 ± 0.3	4.8

Wear Test Conditions: Self-grinding in clean water; linear speed recorded as “11s/m” in the source report.

Inspection Conclusion: PASS

Issuing laboratory: Suzhou Keyue Advanced Materials Technology Co., Ltd.