

# Pingxiang Baitian New Materials Co.,LTD

萍乡柏田新材料有限公司

## Certificate Of Analysis

样品名称 Name of sample	Φ0.1mm zirconia bead(Y-TZP) 钇稳定氧化锆珠	样品编号 Mark of Sample	202401220011
客户信息 Customer Info	略	样品数量 Quantity of Sample	1 袋 3,210g
样品描述 Shape of Sample	Sphere	实验环境条件 Lab Environment	25℃
检测项目 Testing Category	见下表	收样日期 Received Date	2024/1/22
检测标准 Test Standard	JC/T 2136-2012	检测日期 Test Date	2024/01/23-01/24

\*\*检测 20 组样品 After measurement of 20 samples.

\*\*锆珠:800g、Al<sub>2</sub>O<sub>3</sub>:200g、水: 400ml、行星磨研磨 6 小时 After 6 hours in planetary mill ( Zirconia Media:800g、Al<sub>2</sub>O<sub>3</sub>:200g、Water: 400ml) 。

检测结果: (Results of Inspection) :

检测内容 Attribute	说明 Spec	检定结果 Analysis
珠子尺寸 Bead Size	平均 Average	-
	最小 Min	0.08mm
	最大 Max	0.12mm
纯度分析 Typical Purity Data (%)	ZrO <sub>2</sub>	≥94.6%
	Y <sub>2</sub> O <sub>3</sub>	≤5.20%
	Al <sub>2</sub> O <sub>3</sub>	≤0.50%
	Fe <sub>2</sub> O <sub>3</sub>	≤0.01%
	MgO	≤0.01%
	TiO <sub>2</sub>	≤0.01%
	Na <sub>2</sub> O	≤0.1%
密度 Density (g/cm <sup>3</sup> )	≥6.0	6.03
堆积密度 Bulk Density (g/cm <sup>3</sup> )	≥3.6	3.70
压碎强度 Crush Strength (牛顿 Newton)	≥1200	1969
维氏硬度 V-Hardness (HVI)	≥1200	1384.60
磨损率 Wear Rate (%)	≤0.30	0.24

合格



声明: 1.检测结果仅对来样负责, 样品保留至报出结果后 15 天。The results in this report apply to the samples only.  
2.检测报告盖章有效, 报告部分复印无效。The report is valid with the inspection organization stamp.  
3.若对检测结果有异议, 请于收到结果之日起 15 天内向本公司提出。Telling us in 15 days since you receive the report when you have any question with the test results.