



# BHALLA CHEMICAL WORKS PVT LTD

## Monoclinic Zirconium Oxide BZ-1

### ZrO<sub>2</sub>

### Typical Product Specifications

#### Chemical Properties

Element	ZrO <sub>2</sub> +HfO <sub>2</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	Fe	CaO	MgO	Na <sub>2</sub> O	Bulk Density
Unit	%	%	%	ppm	%	%	%	gm/cc
Typical Value	99.8~99.9	<0.02	<0.01	<50	<0.01	<0.01	<0.01	>1.60

#### Physical Properties

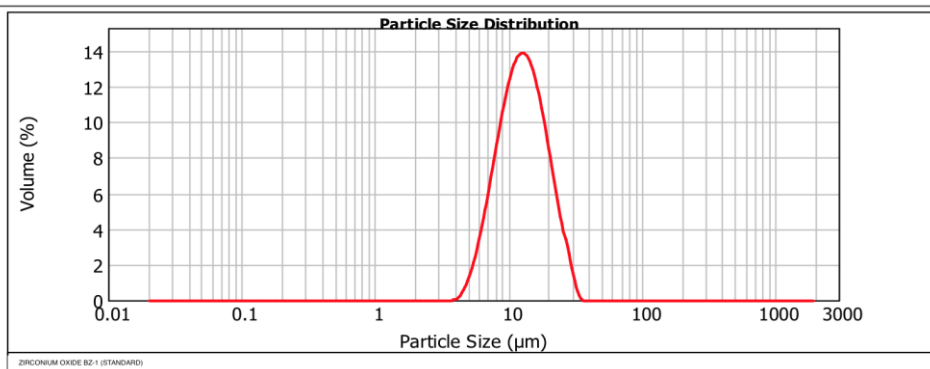
Characteristics	BZ-1 (Standard)	BZ-1 (Milled)
Appearance	White Precipitated Free Flowing Powder	White Precipitated Fine Powder
Loss on Drying (@1025°C)	0.2~0.49	0.2~0.49
d 50 µm	10±2	4±1
Bet m <sup>2</sup> /gm	<10	<10

*Note: The above-mentioned grades are those typically produced by company. Customer Specific modifications to the above products can also be done.*

Applications	Engineering Ceramics	Stabilized Zirconia	Cubic Zirconia	Optical Glass
	Wear Parts			

**Standard Packaging: 25 Kg HDPE Bags with Liner or 1000 Kg Jumbo Bags duly palletized**

**D(0.10) : 7.38 µm      D(0.50) : 12.70 µm      D(0.90) : 21.54 µm      D(1.00) : 33.45 µm**



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