



Z-Tech LLC  
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## PRODUCT DATA SHEET

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### CF-Premium-M

#### Plasma Processed Zirconium Dioxide Powder

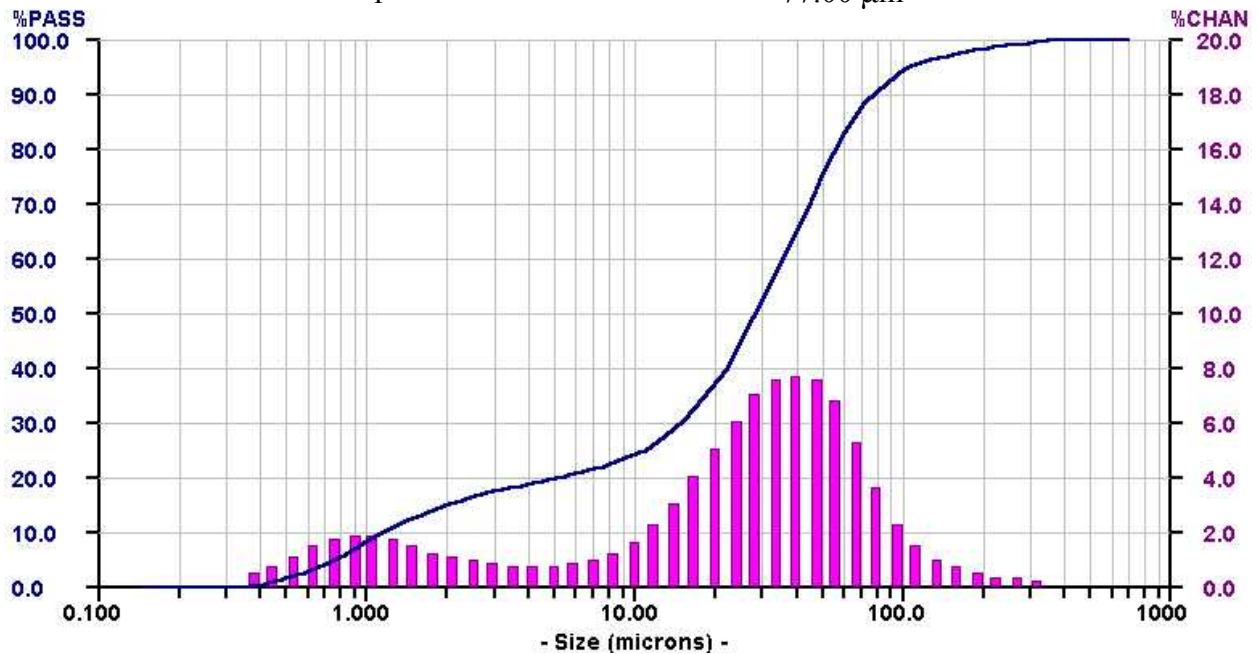
96.4 % (  $ZrO_2 + HfO_2$  )

#### Typical Analysis (by XRF, as oxides)

ZrO <sub>2</sub>	= 94.60 wt. %	CaO	= 0.03 wt. %
HfO <sub>2</sub>	= 1.80 wt. %	TiO <sub>2</sub>	= 0.20 wt. %
SiO <sub>2</sub>	= 2.70 wt. %	Y <sub>2</sub> O <sub>3</sub>	= 0.14 wt. %
Na <sub>2</sub> O	= 0.05 wt. %	MgO	= 0.01 wt. %
Al <sub>2</sub> O <sub>3</sub>	= 0.40 wt. %	U	= 0.024 wt. %
Fe <sub>2</sub> O <sub>3</sub>	= 0.04 wt. %	Th	= 0.013 wt. %

#### Typical Particle Size Distribution (by L&N MICROTRAC FRA9200)

Using	10% less than:	1.30 $\mu$ m
Ultrasonic	50% less than:	27.50 $\mu$ m
Dispersion	90% less than:	77.00 $\mu$ m



*The above Microtrac is an actual sample whose results are typical for this product.*