



Z-Tech LLC
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PRODUCT DATA SHEET

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SF-Premium

Plasma Processed Zirconium Dioxide Powder

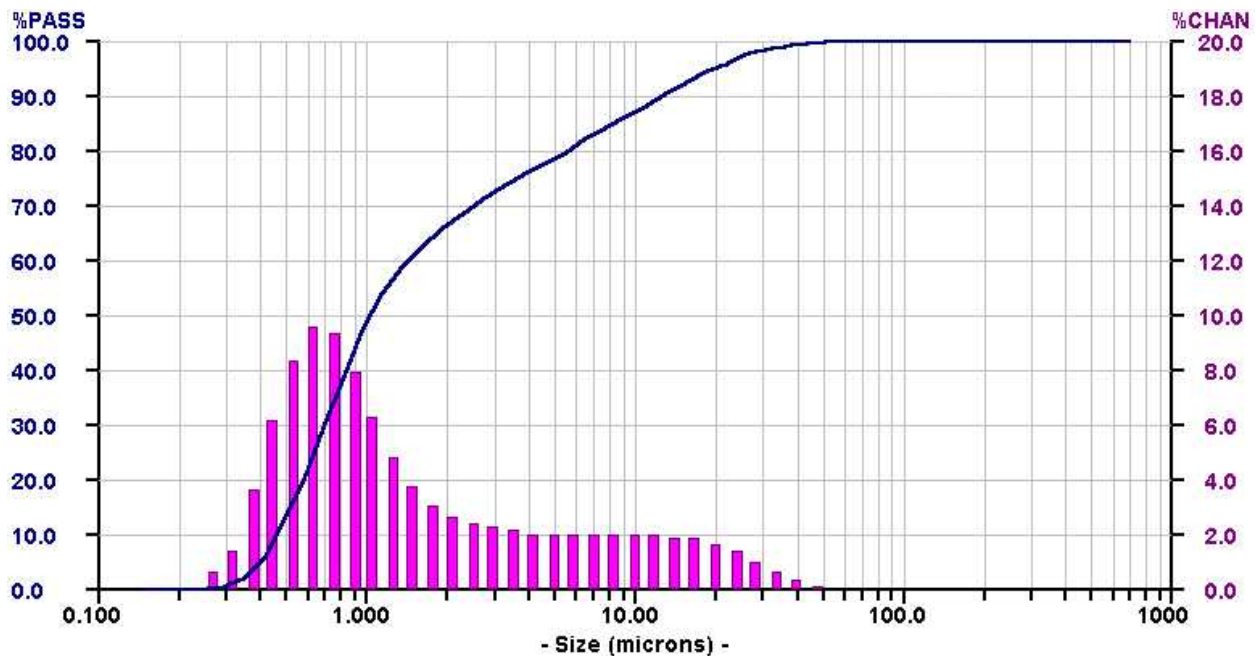
99.4 % ($ZrO_2 + HfO_2$)

Typical Analysis (by XRF, as oxides)

ZrO ₂	= 97.48 wt. %	CaO	= 0.03 wt. %
HfO ₂	= 1.92 wt. %	TiO ₂	= 0.05 wt. %
SiO ₂	= 0.25 wt. %	Y ₂ O ₃	= 0.15 wt. %
Na ₂ O	= 0.05 wt. %	MgO	= 0.01 wt. %
Al ₂ O ₃	= 0.05 wt. %	U	= 0.025 wt. %
Fe ₂ O ₃	= 0.03 wt. %	Th	= 0.010 wt. %

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

Using	10% less than:	0.50 μ m
Ultrasonic	50% less than:	1.24 μ m
Dispersion	90% less than:	12.00 μ m



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