

## PRODUCT DATA SHEET

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### CF-Premium-M

#### Plasma Processed Zirconium Dioxide Powder

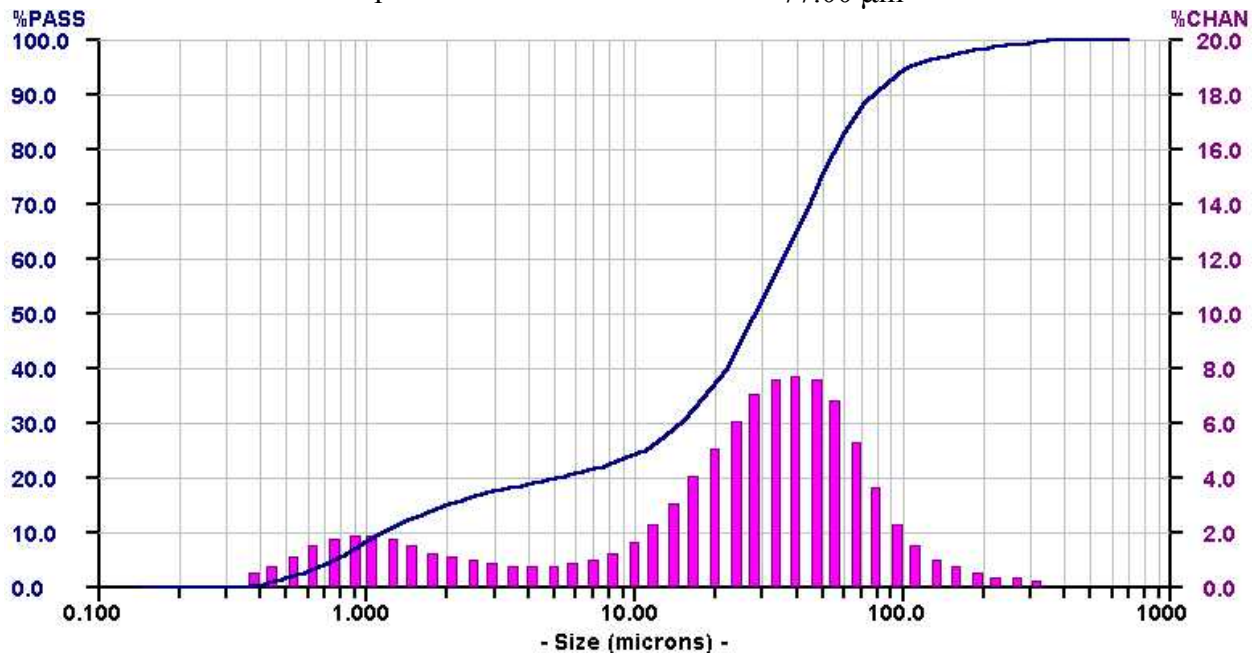
96.4 % (  $ZrO_2 + HfO_2$  )

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

$ZrO_2$	= 94.60 wt. %	$CaO$	= 0.03 wt. %
$HfO_2$	= 1.80 wt. %	$TiO_2$	= 0.20 wt. %
$SiO_2$	= 2.70 wt. %	$Y_2O_3$	= 0.14 wt. %
$Na_2O$	= 0.05 wt. %	$MgO$	= 0.01 wt. %
$Al_2O_3$	= 0.40 wt. %	U	= 0.024 wt. %
$Fe_2O_3$	= 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.*