

TECHNICAL BULLETIN

Yttria Ceramic Coating—Typical Purity

	<u>Bulk Composition</u>	<u>Surface Inorganics</u>
Na	7.0	265
Al	5.0	n/a
Ca	2.7	56
Mg	1.0	31
Zn	*	21
Cr	*	**
Fe	1.7	**
Ni	*	**
Cu	*	**
Ti	*	n/a
V	*	n/a
Mn	*	n/a
Co	*	n/a

All values given in ppm

* < 1 ppm

** < 100 x 10¹⁰ atoms/cm²

Bulk Purity Test: Sprayed layer on coupon analyzed by GDMS

Surface Inorganics Test: Quartz coupon, double-sided yttria coated under standard process conditions. The coupon is leached and the leachate solution is analyzed by ICP-MS

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