

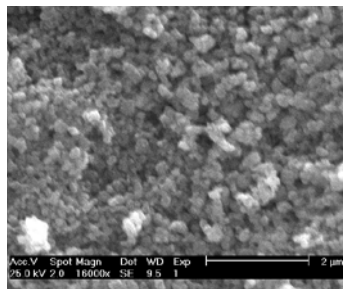
Special Oxides

PRODUCT CODE

BSZ SERIES

TYPICAL VALUES

Chemical Composition	Zirconia	ZrO ₂
	Yttrium Oxide	Y ₂ O ₃
BET Specific Surface Area (m ² /g)		15
Particle Size Distribution (µm)	d10	10
	d50	30
	d90	100
Density (g/cm ³) @ 1550°C		5.95



BSZ3Y, doped with 3% Y₂O₃

CHEMICAL ANALYSIS

ICAP values (ppm)

Fe	<10	Si	<70	K	<10
Na	<20	Ca	<20		

Typical values are given by Baikowski as an indication only. Such values are not contractual.

Main applications



Solid Oxide Fuel Cell



Oxygen sensors

Baikowski provides customized solutions

Pure yttried zirconia

Doped zirconia with Y2O3 (from 3 to 10%)

With or without binders

Homogenous microstructure with particles size between 150 and 800nm

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