

SAMARIUM OXIDE *Sm203*

Properties

Beige to yellow powder

Application

- Manufacture of SmCo5 permanent magnet alloys
- Manufacture of ceramic capacitors



Chemical analysis

	99,0 %	99,9 %
Material base		
TREO*	min. 99,0 %	min. 99,0 %
L.O.I., 1000°C	max. 1,0 %	max. 1,0 %
Fe ₂ O ₃	< 25 ppm	< 10 ppm
Cr ₂ O ₃	< 10 ppm	< 5 ppm
Co ₃ O ₄	< 10 ppm	< 5 ppm
NiO	< 10 ppm	< 5 ppm
TREO base		
Sm ₂ O ₃	min. 99,0 %	min. 99,9 %
Total remaining RE-Oxides	max. 1,0 %	max. 0,1 %

*TREO = Total Rare Earth Oxide

Physical parameter

PSD d50	(Microtrac)	typ. 3 – 15 µ
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Packing

- Plastic boxes with 1, 5 or 10 kgs net
- Plastic or steeldrums with 25 kgs resp. 50 kgs net
- BigBags with 500 resp. 1.000 kgs net
- Other packing on request