

# ERBIUM OXIDE Er203

**Properties**

Pink powder

**Application**

- Colouring glass
- Decolourising glass, especially crystal
- Controlling neutrons in nuclear reactors



**Chemical analysis**

	99,0 %	99,9 %	99,99 %
<b>Material base</b>			
TREO*	min. 99,0 %	min. 99,0 %	min. 99,0 %
L.O.I., 1000°C	max. 1,0 %	max. 1,0 %	max. 1,0 %
Fe <sub>2</sub> O <sub>3</sub>	< 60 ppm	< 25 ppm	< 5 ppm
V <sub>2</sub> O <sub>5</sub>	< 5 ppm	< 5 ppm	< 1 ppm
TiO <sub>2</sub>	< 5 ppm	< 5 ppm	< 1 ppm
Co <sub>3</sub> O <sub>4</sub>	< 5 ppm	< 5 ppm	< 1 ppm
NiO	< 5 ppm	< 5 ppm	< 1 ppm
<b>TREO base</b>			
Er <sub>2</sub> O <sub>3</sub>	min. 99,0 %	min. 99,9 %	min. 99,99 %
Total remaining RE-Oxides	max. 1,0 %	max. 0,1 %	max. 100 ppm

\*TREO = Total Rare Earth Oxide

**Physical parameter**

PSD d50	(Microtrac)	typ. 5– 25 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