

PRASEODYMIUM OXIDE Pr6011

Properties

Dark-brown to black powder

Application

- Green colourant for crystal glass
- Ceramic materials of high electric conductance, such as heating resistors for furnaces
- Additive for manufacturing of ceramic pigments



Chemical analysis

	99,0 %	99,9 %	99,99 %
Material base			
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 ₂ O ₃	< 100 ppm	< 80 ppm	< 5 ppm
Cr ₂ O ₃	< 10 ppm	< 5 ppm	< 2 ppm
CuO	< 10 ppm	< 5 ppm	< 2 ppm
Co ₃ O ₄	< 10 ppm	< 5 ppm	< 2 ppm
NiO	< 10 ppm	< 5 ppm	< 2 ppm
TREO base			
Pr ₆ O ₁₁	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