

Cerium oxide | CeO_2

SAP-Article number
5100044, 5000058, 5100103

Application

- Coloring and decolorising of glass
- Stabilizer in spectacle lenses and television tubes, nuclear technology and special areas
- Refractory ceramics
- Conductive / non-conductive ceramics
- Opacifying agent for enamels
- Oxidizing agent
- As catalysts for various applications
- Reflectors for car headlights
- Stabilizer for pigments
- Doping agent for carbon arc cores
- Electronic industry

Chemical Analysis

Chemical Analysis	P-162-SE 98%		P-163-SE 99%			
In material						
TREO*	≥	98.0	≥	99.0	%	NCH
L.O.I. (1.000 °C / 2 h)	≤	2.0	≤	1.0	%	NCH
Fe ₂ O ₃	≤	0.05	≤	0.03	%	ICP
Cr ₂ O ₃	≤	10	≤	5	ppm	ICP
Co ₃ O ₄	≤	10	≤	5	ppm	ICP
NiO	≤	10	≤	5	ppm	ICP
CuO	≤	10	≤	5	ppm	ICP
In 100 TREO						
CeO ₂	≥	98.0	≥	99.0	%	calculated
Σ remaining RE-oxides	≤	2.0	≤	1.0	%	ICP

Physical Parameters

PSD						
d50	≥	8	-	≤	30	μm PHY

*TREO = Total Rare Earth Oxides

Labelling:

According to purchase order

Packaging:

Plastic box with 1 kg, 5 kg or 10 kg net
Plastic- or steel drums with 25 kg resp.
50 kg net
BigBags with 500 kg resp. 1.000 kg net
Other packaging on request

Remarks:

Powder
CAS 1306-38-3

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