

CERTIFICATE OF ANALYSIS

Product Name: Cerium(IV)oxide powder

CAS Number: 1306-38-3

Product Number: NO-0029-UP

Supplier: IoLiTec
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Im Zukunftspark 9
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Analysis:

	Specifications	
Identity	pass	
Assay	99.9%	
APS (TEM)	15-30 nm	
SSA (BET)	30-50 m ² /g	
Appearance	pale yellow	
Date	03.02.2010	

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	Components	Contents (ppm)
REO	La ₂ O ₃	86
	Pr ₆ O ₁₁	36
	Nd ₂ O ₃	22
	Sm ₂ O ₃	10
	Gd ₂ O ₃	10
	Eu ₂ O ₃	10
	Ho ₂ O ₃	<10
	Dy ₂ O ₃	<10
	Tb ₄ O ₇	<10
	Er ₂ O ₃	<10
	Tm ₂ O ₃	<10
	Yb ₂ O ₃	<10
	Lu ₂ O ₃	<10
	Y ₂ O ₃	<10
Non-REO	Al ₂ O ₃	13
	ZrO ₂	<5
	Cr ₂ O ₃	<5
	CaO	65
	SiO ₂	56
	Fe ₂ O ₃	24
	MgO	12
	ZnO	<5
	Co ₂ O ₃	<5
	MnO ₂	<5
	TiO ₂	<5
	CuO	<5
	NiO	<5
PbO	<5	