

# CERTIFICATE OF ANALYSIS

**Product Name:** Gadolinium(III)oxide powder

**CAS Number:** 12064-62-9

**Product Number:** NO-0022-UP

**Supplier:** IoLiTec  
Ionic Liquids Technologies GmbH  
Im Zukunftspark 9  
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Germany  
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## Analysis:

	Specification	
<b>Identity</b>	pass	
<b>Assay</b>	99.9 %	
<b>APS (TEM)</b>	20-80 nm	
<b>SSA (BET)</b>	10-40 m <sup>2</sup> /g	
<b>Appearance</b>	white	
<b>Date</b>	07.01.2008	

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	<b>Impurities</b>
<b>Dy<sub>2</sub>O<sub>3</sub></b>	< 100 ppm
<b>Eu<sub>2</sub>O<sub>3</sub></b>	310 ppm
<b>Sm<sub>2</sub>O<sub>3</sub></b>	< 100 ppm
<b>Tb<sub>4</sub>O<sub>7</sub></b>	< 100 ppm
<b>Y<sub>2</sub>O<sub>3</sub></b>	< 100 ppm
<b>CaO</b>	80 ppm
<b>Fe<sub>2</sub>O<sub>3</sub></b>	40 ppm
<b>SiO<sub>2</sub></b>	60 ppm

