

Ionic Liquids Technologies GmbH  
Im Zukunftspark 9  
D-74076 Heilbronn

## CERTIFICATE OF ANALYSIS

**Product Name:** alpha-Aluminuim oxide powder

**CAS Number:** 1344-28-1

**Product Number:** NO-0008-HP

**Lot:**

**Supplier:** IoLiTec  
Ionic Liquids Technologies GmbH  
Im Zukunftspark 9  
D-74076 Heilbronn  
Germany  
Phone: +49 (0)7131 – 898390  
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### Analysis:

	Specification	0
<b>Identity</b>	pass	pass
<b>Assay</b>	99.85%	pass
<b>Phase Structure (by X-ray diffraction)</b>	100 % alpha	pass
<b>Crystallite Size (X-ray line-broadening)</b>	40 nm	pass
<b>APS (BET)</b>	150 ± 30 nm	pass
<b>SSA (BET)</b>	10 ± 2 m <sup>2</sup> /g	pass
<b>Appearance</b>	white	conform
<b>Date</b>	07.01.2009	07.01.2014

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# CERTIFICATE OF ANALYSIS

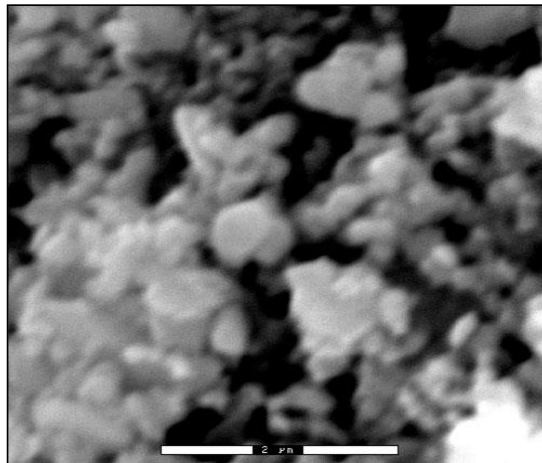
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**CAS Number:** 1344-28-1

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**SEM (typical)**

Dimension bar: 2  $\mu$ m



**Analysis:**

compound	wt%
Al <sub>2</sub> O <sub>3</sub>	99.8
B <sub>2</sub> O <sub>3</sub>	0.001
CaO	0.02
Fe <sub>2</sub> O <sub>3</sub>	0.01
MgO	0.1
Na <sub>2</sub> O	0.07
SiO <sub>2</sub>	0.02