

# Technical Data Sheet

## gamma-Aluminium oxide powder

Date Issued: 2019-08-13

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

<b>Product name</b>	gamma-Aluminium oxide powder
<b>Product code</b>	NO-0005-UP
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131 – 89839 - 0
<b>Fax</b>	+49 (0)7131 - 89839109
<b>Emergency telephone</b>	+49 (0)179 - 5322578

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

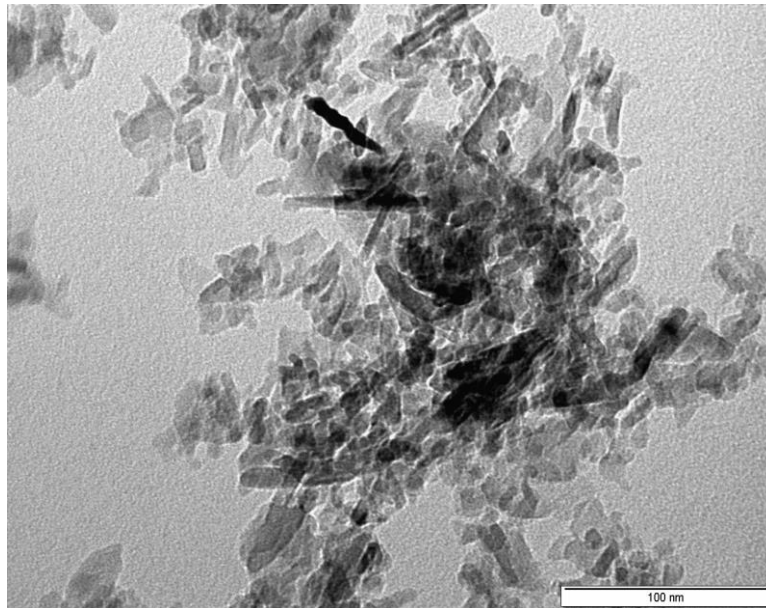
<b>Ingredient name</b>	Aluminium oxide, gamma
<b>CAS No.</b>	1344-28-1
<b>Empirical Formula</b>	$\gamma\text{-Al}_2\text{O}_3$
<b>Molecular weight</b>	101.96 amu
<b>Purity</b>	99.9 %
<b>Average Particle Size</b>	20-50 nm
<b>Specific Surface Area (BET)</b>	> 200 m <sup>2</sup> /g
<b>Colour</b>	white
<b>Morphology</b>	needles
<b>Bulk Density</b>	0.3 g/cm <sup>3</sup>
<b>True Density</b>	3.60 g/cm <sup>3</sup>
<b>Melting point</b>	2045°C
<b>Boiling point</b>	2980°C

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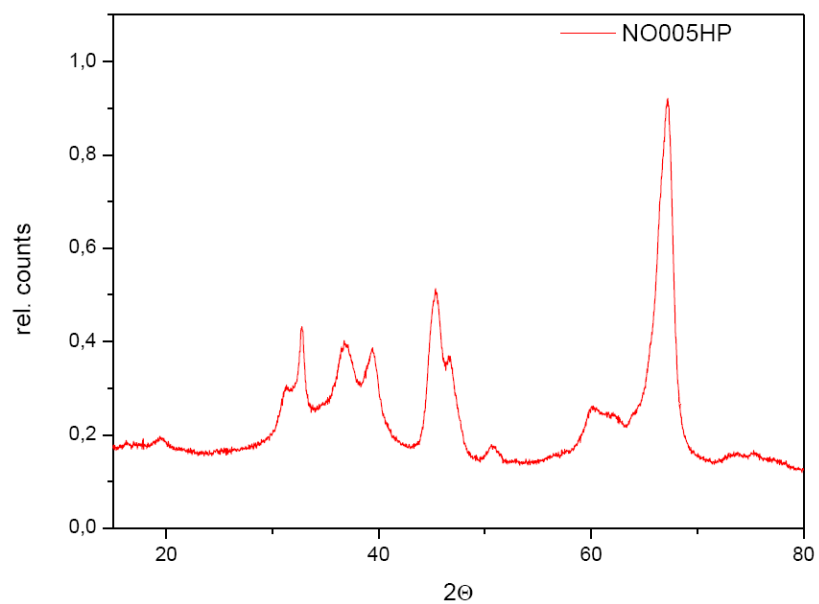
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## 3 TRANSMISSION ELECTRON MICROSCOPY



## 4 X-RAY DIFFRACTION PATTERN



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## 5 OTHER INFORMATION

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