

Technical Data Sheet

alpha-Aluminium oxide powder

Date Issued: 2019-01-02

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

Product name	alpha-Aluminium oxide powder
Product code	NO-0050-UP
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)179 - 5322578

2 COMPOSITION / INFORMATION ON INGREDIENTS

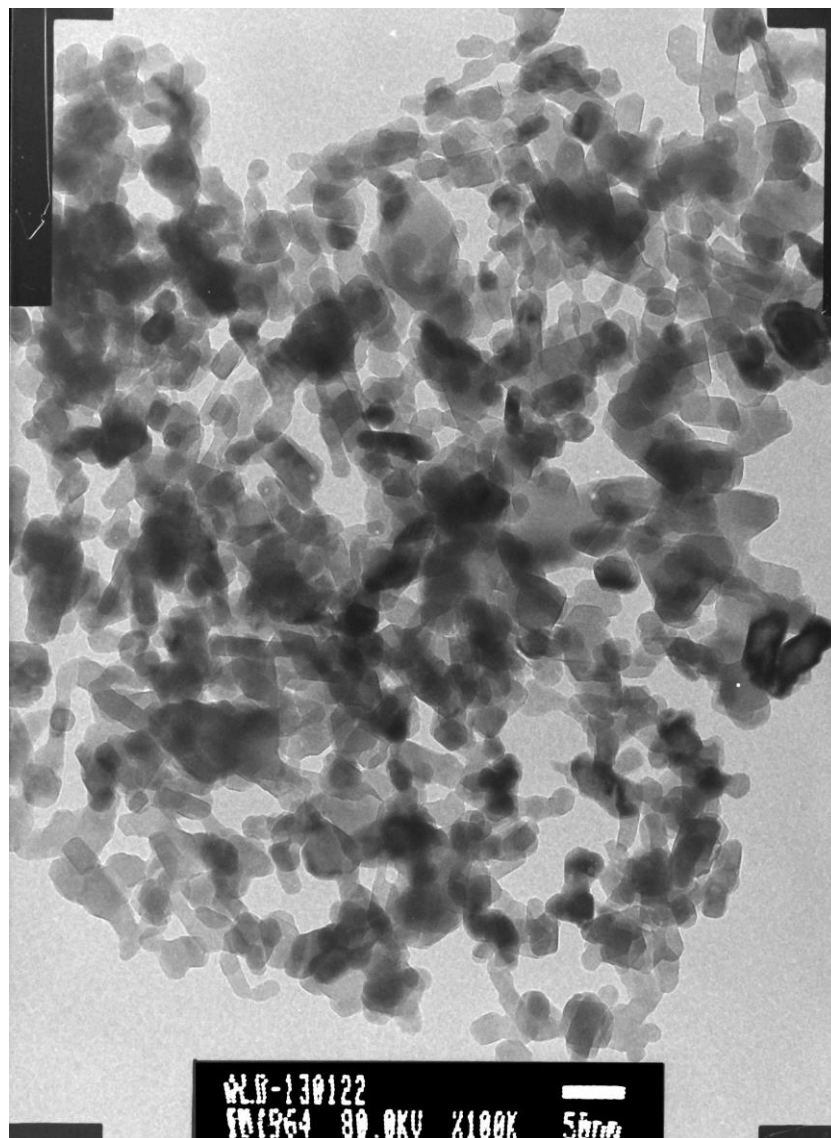
Ingredient name	Aluminium oxide, alpha
CAS No.	1344-28-1
Empirical Formula	$\alpha\text{-Al}_2\text{O}_3$
Molecular weight	101.96 amu
Purity	99.99 %
Average Particle Size	200 nm
Specific Surface Area	3.9 m ² /g
Color	white
Melting point	2045°C
Boiling point	2980°C
True Density	3.97 g/cm ³
Bulk Density	0.5 g/cm ³

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3 TRANSMISSION ELECTRON MICROSCOPY



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4 IMPURITIES

Fe (wt%)	≤0.01
Mg (wt%)	≤0.01
Na (wt%)	≤0.01
SiO₂ (wt%)	≤0.015

5 OTHER INFORMATION

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