

Technical Data Sheet

alpha-Aluminium oxide

Revision Date: 04/29/2024

Date Issued: 04/29/2024

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

Product name	Aluminium oxide powder
Product code	NO-0072-HP
CAS	1344-28-1
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)151-41255671

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Aluminium oxide, alpha
CAS No.	1344-28-1
Empirical Formula	Al ₂ O ₃
Molecular weight	101.96 g/mol
Purity	99+%
Morphology	nearly spherical
Average Particle Size	40 nm
Specific Surface Area	~ 60 m ² /g
Relative Density	3.95 g/cm ³

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Melting point 2045°C

Boiling point 2980°C

3 CONTENT OF IMPURITIES

Impurity	Content
Ca	≤ 20 ppm
Cl	≤ 310 ppm
Co	≤ 5 ppm
Cr	≤ 5 ppm
Fe	≤ 240 ppm
Mn	≤ 5 ppm
Na	≤ 50 ppm
C	≤ 5 ppm

4 OTHER INFORMATION

DISCLAIMER

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