Technical Data Sheet

alpha-Iron(III)oxide powder

Revision Date:	07/25/2024
Date Issued:	07/25/2024

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

Product name	Iron(III)oxide powder
Product code	NO-0055-SG
CAS	1309-37-1
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	Iron(III)oxide, alpha
CAS No.	1309-37-1
Empirical Formula	Fe_2O_3
Molecular weight	159.69 g/mol
Purity	98+%
Morphology	nearly spherical
Average Particle Size	20 - 40 nm
Specific Surface Area	40 - 60 m^2/g
Relative Density	5.24 g/cm^3
Bulk Density	1.20 g/cm^3

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3 CONTENT OF IMPURITIES

Impurity	Content
Ca	≤ 0.024 %
Cr	≤ 0.037 %
Mn	≤ 0.095 %
Na	≤ 0.0005 %
P	≤ 0.016 %
S	≤ 0.12 %
SiO_2	≤ 0.134%
Al	≤ 0.0002 %

4 OTHER INFORMATION

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