

Technical Data Sheet

gamma-Iron(III)oxide powder

Revision Date: 3/13/2026

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

Product name	Iron(III)oxide powder
Product code	NO-0053-HP
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, gamma
CAS No.	1309-37-1
Empirical Formula	Fe ₂ O ₃
Molecular weight	159.69 g/mol
Purity	99%
Morphology	spherical
Average Particle Size	20 - 40 nm
Specific Surface Area	40 - 60 m ² /g
Relative Density	5.24 g/cm ³

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3 CONTENT OF IMPURITIES

Impurity	Content
SO ₃	≤ 0.3 %
MnO	≤ 0.170 %
SiO ₂	≤ 0.120 %
CaO	≤ 0.050 %
Cr ₂ O ₃	≤ 0.025 %
CuO	≤ 0.001 %

4 OTHER INFORMATION

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