



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name Iron(III) Oxide
Product Number FEO-20260220
Batch Number FEO-SH2026022001
Brand SIGALD
CAS Number 1309-37-1
MDL Number MFCD00011007
Formula Fe_2O_3
Formula Weight 159.69 g/mol

Quality Release Date 20 FEB 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Red-brown	Red- brown	-	Visual Inspection
Appearance (Form)	Powder	Fine powder	-	Visual Inspection
Purity (Fe_2O_3)	$\geq 99.0\%$	99.4%	%	Titration Method
Moisture Content	$\leq 0.5\%$	0.2%	%	Karl Fischer Titration
Heavy Metals (Pb)	$\leq 0.001\%$	0.0003%	%	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	$\leq 0.0005\%$	0.0001%	%	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe) Content	69.5-70.5%	70.1%	%	Spectrophotometry
Water Insoluble Matter	$\leq 0.1\%$	0.05%	%	Gravimetric Method
Acid Insoluble Matter	$\leq 0.05\%$	0.02%	%	Gravimetric Method

Certification This batch of product has been tested in accordance with industrial standards for iron(III) oxide and meets all specified requirements. It is qualified for use.

Issue Date: 20 FEB 2026