

Certificate of Analysis

Product Name: Ferrous Sulfate Heptahydrate

Product Information

- Product Number: FS-CAS7720787-202701
- Batch Number: FS-2026011001
- Brand: SIGALD
- CAS Number: 7720-78-7
- MDL Number: MFCD00149712
- Formula: $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$
- Formula Weight: 278.02 g/mol
- Quality Release Date: 10 JAN 2026

Test Item	Specification (GB/T 10531-2016)	Result	Unit	Test Method
Appearance	Light green crystalline powder	Light green crystalline powder	-	Visual Inspection
Ferrous Sulfate ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$) Content	$\geq 99.0\%$	99.5%	%	Potassium Permanganate Titration
Total Iron (as Fe)	$\geq 20.0\%$	20.3%	%	Redox Titration
Water Insoluble Matter	$\leq 0.05\%$	0.02%	%	Gravimetric Method
pH Value (1% Aqueous Solution, 25°C)	3.0-4.5	3.8	-	Digital pH Meter
Heavy Metals (Pb)	$\leq 0.0005\%$	0.0001%	%	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	$\leq 0.0002\%$	0.00006%	%	Atomic Fluorescence Spectrometry (AFS)
Cadmium (Cd)	$\leq 0.0001\%$	0.00003%	%	Atomic Absorption Spectrometry (AAS)
Mercury (Hg)	$\leq 0.00001\%$	0.000002%	%	Atomic Fluorescence Spectrometry (AFS)
Chloride (as Cl^-)	$\leq 0.02\%$	0.005%	%	Silver Nitrate Titration
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

This batch of product has been tested in accordance with GB/T 10531-2016 and meets all specified requirements. It is qualified for use. Issue Date: 10 JAN 2026