

Specification

Technical Data Sheet

CAS 10028-22-5	SPECIFICATION v1 · 06 Oct 2026	STORAGE Ambient	MOLECULAR WEIGHT 399.88
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PRODUCT**Iron (III) sulfate hydrate**

Product number	89966006
CAS number	10028-22-5
Molecular formula	Fe ₂ (SO ₄) ₃ · xH ₂ O
Molecular weight	399.88 g/mol

PARAMETER	SPECIFICATION
Appearance	Yellow powder
Cadmium (Cd)	≤2.0%
Free acid (as H₂SO₄) % w/w	≤0.5%
Insoluble Matter	≤0.3%
Iron(III) ion (Fe³⁺) % w/w	≥20.5%
Reduced Matter (as Fe²⁺) % w/w	≤0.1%
Arsenic (As)	≤0.0002%
Chromium (Cr)	≤0.0005%
Identification (IR)	Conforms to reference
Lead (Pb)	≤0.0005%
Mercury (Hg)	≤0.00001%

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

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