



Changsha RuiYang Material Co., Ltd.
长沙金睿洋新材料有限公司

Technical Data Sheet

Ferric Nitrate Nonahydrate

Product: Ferric Nitrate Nonahydrate

Molecular Formula: $\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$

Molecular Weight: 404.0 g/mol

Cas No.: 7782-61-8

Density: 1.68 g/cm³

UN No. UN 1466, **Class** 5.1, **PG** III

HS Code: 28342990

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
Purity ($\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$)	≥98.5%	≥98.0%	98.8%
Iron (Fe) content	≥13.5%	≥13.0%	13.8%
Water-insoluble matter	≤0.05%	≤0.10%	0.04%
Chloride (Cl)	≤0.05%	≤0.10%	0.03%
Sulfate (SO_4)	≤0.05%	≤0.10%	0.03%
Heavy metals (as Pb)	≤20 ppm	≤50 ppm	15 ppm

Chemical Properties

Chemical Properties: Light purple to colorless crystalline solid. Density: 1.68 g/cm³.

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