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Product Specifications

$\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$

Catalogue Number	01601
Product	Ammonium iron(III) sulfate dodecahydrate Ammonium ferric sulfate dodecahydrate Ferric ammonium sulfate
CAS Number	7783-83-7
Molecular Formula	$\text{FeNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Molecular Weight	482.19

Appearance	Violet to yellow brown solid
Solubility	Soluble in water
Melting Point	37 °C (Approx.)
Anion	Chloride (Cl^-): $\leq 0.001\%$ Nitrate (NO_3^-): $\leq 0.01\%$
Cation	Calcium (Ca): $\leq 0.01\%$ Copper (Cu): $\leq 0.003\%$ Magnesium (Mg): $\leq 0.005\%$ Potassium (K): $\leq 0.005\%$ Sodium (Na): $\leq 0.02\%$ Zinc (Zn): $\leq 0.003\%$ Ferrous iron (Fe^{2+}): To pass test
Insoluble material	$\leq 0.01\%$
Assay by titration	98.5-102.0%
Grade	ACS reagent
Application	Indicator for argentimetric titrations.
Storage	Store at RT

For Laboratory Use Only