



Specification

Ferric Ammonium Sulfate Dodecahydrate ACS

Catalog Number: FA1006
CAS Number: 7783-83-7
Synonym(s): Ammonium ferric sulfate dodecahydrate, Ammonium iron(III) sulfate dodecahydrate
Molecular Formula: $\text{Fe}(\text{SO}_4)_2\text{NH}_4 \cdot 12\text{H}_2\text{O}$
Molecular Weight: 482.20
Storage: 15°C – 30°C
Retest Period: Five years from the date of manufacture

Test	Specification
Appearance	Violet crystals
Assay	98.5 – 102.0%
Identification	To pass test
Insoluble Matter	$\leq 0.01\%$
Chloride	$\leq 0.001\%$
Nitrate	$\leq 0.01\%$
Calcium	$\leq 0.01\%$
Copper	$\leq 0.003\%$
Magnesium	$\leq 0.005\%$
Potassium	$\leq 0.005\%$
Sodium	$\leq 0.02\%$
Zinc	$\leq 0.003\%$
Ferrous ion (Fe^{++})	To pass test

Approved:

Date: September 21, 2018

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