



Certificate of Analysis

Ferrous Ammonium Sulfate Hexahydrate ACS

Catalog Number: FA1002
Lot Number: 0912702
CAS Number: 7783-85-9
Synonym(s): Ammonium iron(II) sulfate hexahydrate, Mohr's salt
Molecular Formula: $\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 392.14
Storage: 15°C – 30°C
Date of Manufacture: May 25, 2015
Retest Date: May 24, 2020

Test	Specification	Result
Appearance	Pale blue-green crystals	Conforms
Assay	98.5 – 101.5 %	99.28%
Identification	To pass test	Conforms
Insoluble Matter	$\leq 0.01 \%$	0.004%
Calcium	$\leq 0.005\%$	0.0001%
Copper	$\leq 0.003\%$	0.0001%
Ferric ion Fe^{3+}	$\leq 0.01\%$	$< 0.01\%$
Magnesium	$\leq 0.002\%$	0.0005%
Manganese	$\leq 0.01\%$	0.0002%
Phosphate	$\leq 0.003\%$	$< 0.003\%$
Potassium	$\leq 0.002\%$	0.0006%
Sodium	$\leq 0.02\%$	0.0004%
Zinc	$\leq 0.003\%$	0.0001%

Approved by:

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Date: September 12, 2017