

SYSTEM

Certificate Of Analysis

PRODUCT NAME : Ammonium Iron II Sulphate, Hexahydrate, *ChemAR*[®]
CATALOGUE NUMBER : AM518-00
FORMULA : $(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
MOLECULAR WEIGHT : 392.14
CAS. NUMBER : [7783-85-9]
BATCH NUMBER : 17081817A162
EXP.DATE : Aug./2021

	<u>Specification</u>	<u>Batch Value</u>
Assay(manganometry)	min.99.8 %	99.9 %
pH(5%,water)	3.0-----5.0	4.05
Chloride(Cl)	max.0.001 %	<0.001 %
Phosphate(PO_4)	max.0.002 %	<0.002 %
Iron(III)salts(Fe^{3+})	max.0.01 %	<0.01 %
Calcium(Ca)	max.0.01 %	<0.01 %
Copper(Cu)	max.0.002 %	<0.002 %
Potassium(K)	max.0.01 %	<0.01 %
Magnesium(Mg)	max.0.01 %	<0.01 %
Manganese(Mn)	max.0.01 %	<0.01 %
Lead(Pb)	max.0.001 %	<0.001 %
Sodium(Na)	max.0.01 %	<0.0003 %
Zinc(Zn)	max.0.003 %	<0.003 %
Substances not precipitated by ammonia (as sulfate)	max.0.05 %	<0.05 %
Melting point	100°C	pass
Soluble in water/20°C	269g/l	pass

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