

## FINE CHEMICAL

**Department: Quality Control**      **Document No: LCPL/QSD/QAD/11**      **SOP No.: DB/SOP/QC/11-A015**

**SPECIFICATION : AMMONIUM FERROUS SULPHATE HEAHDYDRATE AR**

<b>Issue date</b>	15/05/2018	<b>Review date</b>	14/05/2023	<b>Location</b>	Dobaspet
<b>Version No.:</b>	00	<b>Supersedes</b>	--	<b>Page No</b>	1 of 1

### PRODUCT DETAILS

1	Molecular Formula	(NH <sub>4</sub> ) <sub>2</sub> Fe(SO <sub>4</sub> ) <sub>2</sub> •6H <sub>2</sub> O	
2	Product code	A015	(NH <sub>4</sub> ) <sub>2</sub> Fe(SO <sub>4</sub> ) <sub>2</sub> • 6H <sub>2</sub> O
3	Molecular weight	392.14	
4	CAS No	7783-85-9	
5	Risk Statement No	36/37/38	
6	Safety Statement No	26-37/39	
7	UN No.	---	

### PACKING DETAILS

	Product code	Pack size	
1	A01510	500 g	

### PRODUCT SPECIFICATION

#### SL. No.      TEST PARAMETERS

#### LIMITS

1	Description	Pale greenish-blue crystals or crystalline powder.
2	Clarity	10% solution in dilute sulphuric acid is clear.
3	Assay	Not less than 99.0%
4	pH (5% aqueous solution)	Between 3.0 and 5.0
5	Insoluble matter	Not more than 0.003%
6	Chloride (Cl)	Not more than 0.001%
7	Calcium (Ca)	Not more than 0.01%
8	Copper (Cu)	Not more than 0.002%
9	Ferric ion [Fe (III)]	Not more than 0.02%
10	Lead (Pb)	Not more than 0.002%
11	Magnesium (Mg)	Not more than 0.01%
12	Manganese (Mn)	Not more than 0.05%
13	Potassium (K)	Not more than 0.005%
14	Sodium (Na)	Not more than 0.005%
15	Zinc (Zn)	Not more than 0.003%

### SAFETY SYMBOLS