

Department: Quality Control	Document No: LCPL/QSD/QAD/11	SOP No.: DB/SOP/QC/11-A054
------------------------------------	-------------------------------------	-----------------------------------

SPECIFICATION : AMMONIUM FERRIC SULPHATE DODECAHYDRATE AR

Issue date	15/05/2018	Review date	14/05/2023	Location	All Units
Version No.:	00	Supersedes	--	Page No	1 of 1

PRODUCT DETAILS

1	Molecular Formula	NH ₄ Fe(SO ₄) ₂ •12H ₂ O	
2	Product code	A054	NH₄Fe(SO₄)₂ • 12H₂O
3	Molecular weight	482.19	
4	CAS No	7783-83-7	
5	Risk Statement No	36/38	
6	Safety Statement No	26-36/37	
7	UN No.	---	

PACKING DETAILS

	Product code	Pack size
1	A05410	500 g

PRODUCT SPECIFICATION

SL. No. TEST PARAMETERS

LIMITS

1	Description	Colourless to pale violet transparent crystals or crystalline powder.
2	Miscibility	10% solution in water is bright and clear.
3	Assay (iodometry)	Not less than 99.0%
4	pH (5% aqueous solution)	Between 2.0 and 5.0
5	Water insoluble matter	Not more than 0.003%
6	Chloride (Cl)	Not more than 0.0003%
7	Phosphate (PO ₄)	Not more than 0.003%
8	Ferrous [Fe (II)]	Not more than 0.001%
9	Calcium (Ca)	Not more than 0.002%
10	Copper (Cu)	Not more than 0.001%
11	Heavy metals (Pb)	Not more than 0.002%
12	Magnesium (Mg)	Not more than 0.001%
13	Manganese (Mn)	Not more than 0.001%
14	Potassium (K)	Not more than 0.002%
15	Sodium (Na)	Not more than 0.002%
16	Zinc (Zn)	Not more than 0.001%
17	Sub. not ppt by ammonia (as SO ₄)	Not more than 0.05%

SAFETY SYMBOLS