

Ferrous Ammonium Sulphate  
AR, ACS  
500 G



**RANKEM**

Material No.: A0426  
Batch No.: G060C21  
Manufactured Date: 2021-Mar-17  
Expiration Date: 2026-Mar-17  
CAS No.: 7783-85-9  
Molecular Formula:  $(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$   
Molecular Mass: 392.14

## Certificate of Analysis

Test	Specification	Result
Guarantee Analysis	.	.
Assay $(\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O})$	99.00 - 101.50 %	99.99 %
pH (5% Aqueous Solution)	3.00 - 5.00	3.98
Maximum Limits Of Impurities	.	.
Insoluble Matter	$\leq 0.005 \%$	0.001 %
Ferric Ion $[\text{Fe}(\text{III})]$	$\leq 0.01\%$	$\leq 0.01\%$
Chloride (Cl)	$\leq 0.001\%$	$\leq 0.001\%$
Phosphate $(\text{PO}_4)$	$\leq 0.003\%$	$\leq 0.003\%$
Calcium (Ca)	$\leq 0.005 \%$	0.002 %
Copper (Cu)	$\leq 0.002 \%$	$\leq 0.002 \%$
Lead (Pb)	$\leq 0.002 \%$	0.001 %
Magnesium (Mg)	$\leq 0.002 \%$	$\leq 0.002 \%$
Manganese (Mn)	$\leq 0.01 \%$	$\leq 0.01 \%$
Potassium (K)	$\leq 0.002 \%$	0.001 %
Sodium (Na)	$\leq 0.02 \%$	0.01 %
Zinc (Zn)	$\leq 0.003 \%$	$\leq 0.003 \%$

The batch complies with the laid down specification.  
Appearance : Light green, blue or blue-green crystals or crystalline powder