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## Certificate of Analysis

<b>Product</b>	<b>61732 - Ammonium Ferrous Sulphate Hexahydrate extrapure AR, ACS, 99% - [7783-85-9]</b>
<b>Batch No</b>	<b>8608547</b>
<b>Analysis Date</b>	19-Aug-2019
<b>Date of Manufacture</b>	August 2019
<b>Expiry Date/Re-Test Date</b>	August 2024
<b>Molecular Formula</b>	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> ·FeSO <sub>4</sub> ·6H <sub>2</sub> O
<b>Molecular Weight</b>	392.13

Test Parameters	Standards	Actual Results
Appearance (Colour)	Pale green	Pale green
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution with 1ml dilute H <sub>2</sub> SO <sub>4</sub>	Clear	Clear
Solubility (Colour) 10% aq. solution with 1ml dilute H <sub>2</sub> SO <sub>4</sub>	Pale green	Pale green
Assay	min. 99%	99.8%
Insoluble matter	max. 0.01%	0.005%
pH (5% aq. solution)	3.0 - 5.0	4.1
Chloride (Cl)	max. 0.001%	Passes
Iron (Fe+3)	max. 0.01%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Phosphate (PO <sub>4</sub> )	max. 0.002%	Passes
Copper (Cu)	max. 0.002%	Passes
Potassium (K)	max. 0.002%	Passes
Sodium (Na)	max. 0.01%	Passes
Calcium (Ca)	max. 0.005%	Passes
Magnesium (Mg)	max. 0.002%	Passes
Manganese (Mn)	max. 0.01%	Passes
Zinc (Zn)	max. 0.003%	Passes

FRM/82/11/4/61732 Rev No. 2 Date 06/10/2016

Prepared by **Kamlesh**

In compliance with the standard specifications of SRL

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