

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : FERROUS SULPHATE AR (HEPTAHYDRATE)**

<b>CAS No</b>	: 7782-63-0	<b>Product code</b>	: 23300
<b>Mol. Formula</b>	: FeSO <sub>4</sub> .7H <sub>2</sub> O	<b>Batch No.</b>	: MCAR-01291
<b>Mol. WT</b>	: 278.01	<b>Mfd.</b>	: Feb. 2025
<b>Date of analysis</b>	: 24/02/25	<b>Exp.</b>	: Jan. 2030

S.R	Test	Specification	Observation
1	<b>Description</b>	Bluish-green crystalline powder.	Bluish-green crystalline powder.
2	<b>Assay</b>	99 - 104.5% w/w	99.91% w/w
3	<b>pH (5% aq. solution)</b>	3.0 – 4.0	3.55
4	<b>Insoluble matter</b>	0.005% max	< 0.005%
5	<b>Chloride (Cl)</b>	0.0005% max	< 0.0005%
6	<b>Nitrogen compounds (N)</b>	0.001% max	< 0.001%
7	<b>Phosphate (PO<sub>4</sub>)</b>	0.001% max	< 0.001%
8	<b>Arsenic (As)</b>	0.00004% max	< 0.00004%
9	<b>Magnesium (Mg)</b>	0.005% max	< 0.005%
10	<b>Calcium(Ca)</b>	0.005% max	< 0.005%
11	<b>Copper (Cu)</b>	0.001% max	< 0.001%
12	<b>Ferric Iron (Fe)</b>	0.05% max	< 0.05%
13	<b>Lead (Pb)</b>	0.002%max	< 0.002%
14	<b>Manganese (Mn)</b>	0.05% max	< 0.05%
15	<b>Zinc (Zn)</b>	0.01% max	< 0.01%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Shruti)**



**[QC Incharge]**



**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

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