



CERTIFICATE OF ANALYSIS

Product Name : FERROUS SULPHATE HEPTAHYDRATE 99% AR/ACS
Lot No. : B410162204 Analyzed On : 12-Apr-2022
Mol. Formula : FeSO₄.7H₂O Mol. Weight : 278.01
Code No. : 03850 CAS No. : 7782-63-0
Mfg. Date : Apr-2022 Exp. Date : Mar-2025
HAZ. / P.G. : - UN No. : -

| Sr. | Tests | Specifications | Results |
|-----|--------------------------------|--|-----------------------------|
| 1 | Appearance | Light blue or blue-green or green powder or crystals | Light blue - green crystals |
| 2 | Assay | Min 99.0% | 99.04% |
| 3 | Ferric ion (Fe ⁺³) | Max 0.1% | 0.1% |
| 4 | Copper (Cu) | Max 0.005% | Nil |
| 5 | Insoluble matter | Max 0.01% | <0.01% |
| 6 | pH (5% solution in water) | 3.0 - 4.0 | 3.51 |
| 7 | Chloride (Cl) | Max 0.001% | 0.00099% |
| 8 | Phosphate (PO ₄) | Max 0.001% | 0.00099% |
| 9 | Manganese (Mn) | Max 0.05% | 0.0021% |
| 10 | Zinc (Zn) | Max 0.005% | 0.00012% |
| 11 | Calcium (Ca) | Max 0.005% | Nil |
| 12 | Magnesium (Mg) | Max 0.002% | Nil |
| 13 | Potassium (K) | Max 0.002% | 0.000050% |
| 14 | Sodium (Na) | Max 0.02% | 0.0043% |

CONCLUSION -This above product complies as per the specifications of **LOBA CHEMIE PVT. LTD.**

Varsha
Chemist

Shashikant Gaikwad
QC Manager

LOBA CHEMIE PVT. LTD.

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LOBA/QC/FM/01

05/26.10.2021