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CERTIFICATE OF ANALYSIS

Name of the Sample : **Iron (II) Sulphate Heptahydrate AR**
Batch No. : **228126**
Date of Mfg. : **Nov 2024**
Date of Exp. : **Oct 2029**
Register No. : **2024-25**
Qty of Sample : **500gm**
Date of Analysis : **Nov 2024**

| S. No | Test Parameters | Observed Values | Standard Values |
|-------|--|---|--------------------------|
| 1. | Description | Passes | Green crystalline powder |
| 2. | Assay | 99.50% FeSO ₄ .7H ₂ O | Min.99.5% |
| 3. | pH (5% solution) (in CO ₂ free water) | 3.58 | 3.0 – 4.0 |
| 4. | Dilute H ₂ SO ₄ insoluble matter | 0.0034% | Max.0.005% |
| 5. | Chloride | 0.0005% | Max.0.0005% |
| 6. | Nitrogen compounds | 0.0002% | Max.0.001% |
| 7. | Phosphate | 0.0006% | Max.0.001% |
| 8. | Arsenic | 0.0002% | Max.0.0002% |
| 9. | Copper | 0.0002% | Max.0.001% |
| 10. | Ferric iron | 0.018% | Max.0.02% |
| 11. | Lead | 0.0005% | Max.0.0005% |
| 12. | Manganese | 0.05% | Max.0.05% |
| 13. | Zinc | 0.005% | Max.0.005% |
| 14. | Substances not ppt by ammonia (as sulphates) | 0.042% | Max.0.05% |

Chief Chemist