



Product: Ammonium Ferric Sulphate 12-hyd

CAS: 7783-83-7

| Sr. No. | Parameter | LR Specifications | AR/ACS Specifications |
|---------|------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| 1 | Description | <i>Pale violet solid irregular lumps and/or white fine crystals</i> | <i>Pale violet solid irregular lumps and/or white fine crystals</i> |
| 2 | Test Solution (5g in 50ml water) | <i>Solution is bright clear and yellowish-brown</i> | <i>Solution is bright clear and yellowish-brown</i> |
| 3 | pH (5% solution in water) | <i>2.0 - 5.0</i> | <i>2.0 - 5.0</i> |
| 4 | Assay (as $\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$) | <i>98-101%</i> | <i>99-102%</i> |
| 5 | Insoluble Content | - | <i>0.001% max</i> |
| 6 | Chloride, as Cl | <i>0.002% max</i> | <i>0.001% max</i> |
| 7 | Nitrate, as NO_3 | - | <i>0.01% max</i> |
| 8 | Calcium, as Ca | - | <i>0.005% max.</i> |
| 9 | Copper, as Cu | - | <i>0.001% max</i> |
| 10 | Ferrous Iron, as Fe^{+2} | <i>0.002% max</i> | <i>0.001% max</i> |
| 11 | Heavy Metals, as Pb | - | <i>0.001% max</i> |
| 12 | Magnesium, as Mg | - | <i>0.001% max</i> |
| 13 | Potassium, as K | - | <i>0.001% max</i> |
| 14 | Sodium, as Na | - | <i>0.002% max</i> |
| 15 | Zinc, as Zn | - | <i>0.001% max</i> |

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