

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Ammonium iron citrate,AR,Fe:20.5-22.5%

ITEM NUMBER: A100170  
BRAND: Aladdin  
CAS NUMBER: 1185-57-5  
MDL NUMBER: MFCD00013099  
FORMULA: C<sub>6</sub>H<sub>11</sub>FeNO<sub>7</sub>  
MOLECULAR WEIGHT: 265

| TEST                       | SPECIFICATION                                        |          | TARGET VALUE |
|----------------------------|------------------------------------------------------|----------|--------------|
|                            | MIN.                                                 | MAX.     |              |
| Appearance                 | Brown to Dark Red-Brown Powder,Crystals<br>,Granules |          |              |
| Arsenic(As)                | 0 %                                                  | 0.0005 % | 0.0005 %     |
| Chloride(Cl)               | 0 %                                                  | 0.1 %    | 0.1 %        |
| Heavy metals(Pb)           | 0 %                                                  | 0.02 %   | 0.02 %       |
| Infrared spectrum          | Conforms to Structure                                |          |              |
| Iron by Elemental Analysis | 20.5 %                                               | 22.5 %   | 22.5 %       |
| Solubility in water        | Yellow to Brown Clear 100mg/ml                       |          |              |
| Sulfate(SO <sub>4</sub> )  | 0 %                                                  | 0.1 %    | 0.1 %        |