

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2022-04-07 15:38:14  
Date of Next Testing: 2026-04-06 15:38:14  
Product Name: **Ferric sesquioxide**  
CAS Number: 1309-37-1  
Specifications & Purity:  $\geq 99.0\%$   
Lot #: C2224328  
SKU #: **F108317**  
Analysis: **074632**

| Parameter                                       | Limit Values                     | Result                           |
|-------------------------------------------------|----------------------------------|----------------------------------|
| Insoluble matter in hydrochloric                | 0-0.02 (%)                       | 0.00000 %                        |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )         | 0-0.08 (%)                       | 0.07800 %                        |
| Total Nitrogen                                  | 0-0.005 (%)                      | 0.00068 %                        |
| Substances not precipitated by ammonium sulfide | 0-0.2 (%)                        | 0.02170 %                        |
| Heavy metals (as Cu)                            | 0-0.01 (%)                       | 0.00760 %                        |
| Purity(RT)                                      | 99-100 (%)                       | 99.98000 %                       |
| Solubility in H <sub>2</sub> O                  | 0-0.1 (%)                        | 0.09700 %                        |
| Appearance (F108317)                            | Red to Brown to Red-Brown Powder | Red to Brown to Red-Brown Powder |
| ICP: Confirms Iron Component                    | Confirmed                        | Confirmed                        |
| X-Ray Diffraction                               | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager