

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-27 11:20:01  
Date of Next Testing: 2029-11-26 11:20:01  
Product Name: **Reduced iron powder**  
CAS Number: 7439-89-6  
Specifications & Purity: AR, 100 mesh  
Lot #: K2517566  
SKU #: **I116359**  
Version: **0**  
Analysis #: **602064**  
Storage Temperature: Room temperature, Desiccated

| Parameter                      | Limit Values          | Result                |
|--------------------------------|-----------------------|-----------------------|
| Sulfate(SO42-)                 | 0-0.06                | 0.01                  |
| Assay(Fe)                      | 99-100 (%)            | 99.00 %               |
| Particle size                  | >=100(mesh)           | 100.00 mesh           |
| Solubility in H2O              | 0-0.03 (%)            | 0.02 %                |
| Nitrogen by Elemental Analysis | 0-0.005 (%)           | 0.00 %                |
| Insolubhe in sulfuric acid     | 0-0.1 (%)             | 0.10 %                |
| Appearance (I116359)           | Silver or Grey Powder | Silver or Grey Powder |
| X-Ray Diffraction              | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager