

## Certificate of Analysis

Date of Testing: 2024-07-22 10:27:32  
Date of Next Testing: 2026-07-12 10:27:32  
Product Name: **Reduced iron powder**  
CAS Number: 7439-89-6  
Specifications & Purity: 98% , 400 mesh  
Lot #: G2410407  
SKU #: **I116361**  
Version: **1**  
Analysis #: **373337**  
Storage Temperature: Argon charged

| Parameter                   | Limit Values          | Result                |
|-----------------------------|-----------------------|-----------------------|
| Assay(Fe)                   | 98-100 (%)            | 98.50%                |
| Manganese(Mn)               | 0-1000 (ppm)          | 0.25 ppm              |
| Insoluble matter in HCl     | 0-0.5 (%)             | 0.36%                 |
| Particle size               | 350-450 (mesh)        | 400.00 mesh           |
| sulfide (S <sup>2-</sup> )  | 0-0.03 (%)            | 0.02%                 |
| (As)Arsenic                 | 0-5 (ppm)             | 0.10 ppm              |
| (Pb)Lead                    | 0-20 (ppm)            | 20.00 ppm             |
| Chloride (Cl <sup>-</sup> ) | 0-20 (ppm)            | 13.00 ppm             |
| Zinc(Zn)                    | 0-50 (ppm)            | 0.00 ppm              |
| Copper(Cu)                  | 0-100 (ppm)           | 0.81 ppm              |
| Nickel(Ni)                  | 0-500 (ppm)           | 0.10 ppm              |
| Appearance (I116361)        | Grey powder           | Grey powder           |
| X-Ray Diffraction           | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager