

## Certificate of Analysis

Date of Testing: 2024-10-09 10:41:49  
Date of Next Testing: 2026-09-29 10:41:49  
Product Name: **Reduced iron powder**  
CAS Number: 7439-89-6  
Specifications & Purity: 98% , 400 mesh  
Lot #: I2425436  
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