

## Certificate of Analysis

### Compound Information

|                     |                             |
|---------------------|-----------------------------|
| Product Name:       | Iron powder, -100 mesh, 98% |
| Cat. No.:           | 1325996                     |
| CAS No.:            | 7439-89-6                   |
| Molecular Formula:  | Fe                          |
| Molecular Weight:   | 55.85                       |
| Chemical Structure: |                             |



### Batch Information

|              |                           |
|--------------|---------------------------|
| Batch No.:   | Lg0816295157              |
| Storage:     | RT, stored under nitrogen |
| Test Date:   | 2023-08-16                |
| Retest Date: | 2026-08-15                |
| Origin:      | Shanghai, China           |

### QC Summary

|                                   | Specification   | Result        |
|-----------------------------------|---|---------------|
| Appearance:                       | Off-white to gray (Solid)   | Grey (Powder) |
| Purity, $\omega/\%$ :             | $\geq 98.0$   | 98            |
| Size, $\mu$ :                     | 100   | 100           |
| Carbon Content, $\omega/\%$ :     | $\leq 0.03$   | qualified     |
| Total Nitrogen(N), $\omega/\%$ :  | $\leq 0.01$   | qualified     |
| Oxygen Content (O), $\omega/\%$ : | $\leq 1.0$  | qualified     |
| Conclusion:                       | The product has been tested and complies with the given specifications. |               |

Caution: Research use only and are not intended for human use.

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