

**CERTIFICATE OF ANALYSIS: 202411200142**

|                 |               |             |               |
|-----------------|---------------|-------------|---------------|
| Material Grade  | 2507 Powder   | Product No. | F2507-G-53105 |
| Production Date | 2024-05-17    | Order No.   | CNR-241112    |
| Lot No.         | 20240517-02   | Quantity    | 10 kg         |
| Process         | Gas Atomizing | Powder Size | 53-105µm      |

**Chemical Compositions / wt%**

| Element | Specification | Tested |
|---------|---------------|--------|
| Fe      | Bal           | Bal    |
| Ni      | 6.0-8.0       | 7.13   |
| Mo      | 3.0-5.0       | 4.01   |
| N       | 0.24-0.32     | 0.26   |
| Cr      | 24.0-26.0     | 25.31  |
| C       | 0.03 max.     | 0.019  |
| Si      | 0.80 max.     | 0.47   |
| Mn      | 1.20 max.     | 0.95   |
| Cu      | 0.50 max.     | 0.012  |
| S       | 0.02 max.     | 0.003  |
| O       | /             | 0.018  |
| P       | 0.035 max.    | 0.001  |

Standards: GB/T 14265, GB/T 23942

**Powder Property**

| Particle Size Distribution            | D10/um | D50/um | D90/um | Standards   |
|---------------------------------------|--------|--------|--------|-------------|
| (Laser analysis)                      | 55.7   | 76.1   | 97.5   | GB/T 19077  |
| Flowability (s/50g)                   | 16.4   |        |        | GB/T 1482   |
| Apparent density (g/cm <sup>3</sup> ) | 4.32   |        |        | GB/T 1479.1 |

Test condition: Temperature 25°C, Humidity 40%

Judgement: Pass



Check: Y. Tang

Approval: L. Zhang

Date: 2024-11-20

