

CERTIFICATE OF ANALYSIS: 202409280241

| | | | |
|-----------------|-------------|-------------|---------------|
| Material Grade | 316L Powder | Product No. | F0316-P-45150 |
| Production Date | 2024-08-25 | Order No. | CNX-240816 |
| Lot No. | 20240825-01 | Quantity | 50 kg |
| Process | PREP | Powder Size | 45-150µm |

Chemical Compositions / wt%

| Element | Specification | Tested |
|---------|---------------|--------|
| Cr | 16.5-18.5 | 18.19 |
| Mo | 2.0-2.5 | 2.48 |
| Ni | 11.0-14.0 | 13.57 |
| Mn | 1.5 Max. | 1.36 |
| Si | 1.0 Max. | 0.52 |
| P | 0.03 Max. | 0.021 |
| C | 0.03 Max. | 0.018 |
| S | 0.03 Max. | 0.005 |
| Fe | Bal. | Bal. |
| O | 0.05 Max. | 0.022 |

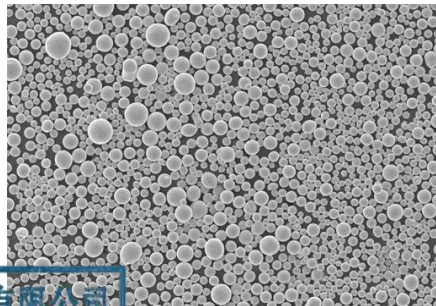
Standards: GB/T 14265, GB/T 23942

Powder Property

| Particle Size Distribution (laser diffraction analysis) | D10/um | D50/um | D90/um | Standards |
|--|--------|--------|--------|-------------|
| | 49.9 | 98.1 | 143.2 | GB/T 19077 |
| Flowability (s/50g) | | 13.2 | | GB/T 1482 |
| Apparent density (g/cm ³) | | 4.23 | | GB/T 1479.1 |
| Tap density (g/cm ³) | | 4.78 | | GB/T 5162 |

Test condition: Temperature 25° C, Humidity 40%

SEM Photo:



Judgement: Pass

Check: Y. Tang

Approval: A. Xiao

Date: 2024-09-28