

CERTIFICATE OF ANALYSIS: 202503030216

Material Grade	316L Powder	Product No.	F0316-G-0030
Production Date	2024-11-03	Order No.	ESD-250220
Lot No.	20241103-03	Quantity	25 kg
Process	Gas Atomizing	Powder Size	-30µm

Chemical Compositions / wt%

Element	Specification	Tested
Cr	16.5-18.5	16.69
Mo	2.0-2.5	2.39
Ni	11.0-14.0	11.17
Mn	1.5 Max.	0.57
Si	1.0 Max.	0.45
P	0.03 Max.	0.022
C	0.03 Max.	0.011
S	0.03 Max.	0.006
Fe	Bal.	Bal.
O	0.10 Max.	0.074

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution (laser diffraction analysis)	D10/um	D50/um	D90/um	Standards
	5.05	13.10	26.27	GB/T 19077
Apparent density (g/cm ³)	3.94			GB/T 1479.1
Tap density (g/cm ³)	5.10			GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang



Approval: A. Xiao



Date: 2025-03-03