

**CERTIFICATE OF ANALYSIS: 202505070266**

Material Grade	316L Powder	Product No.	F0316L-WL-00150
Production Date	2025-04-25	Order No.	VNA-20250415
Lot No.	20250425-03	Quantity	20 kg
Process	Water Atomizing	Powder Size	0-150µm

**Chemical Compositions / wt%**

Element	Specification	Tested
Cr	16.0-18.0	17.18
Ni	10.0-14.0	10.25
Mn	2.0 max.	0.26
Si	1.0 Max.	0.35
Mo	2.0-3.0	2.14
P	0.04 Max.	0.023
C	0.03 Max.	0.022
S	0.03 Max.	0.006
O	0.4 Max.	0.33
Fe	Bal.	Bal.
Lubricant (1.0% SKZ600)	/	1.0

Standards: GB/T 14265, GB/T 23942

**Powder Property**

Particle Size (Sieve analysis %)	+100	-100+140	-140+200	-200+325	-325 mesh
	mesh	mesh	mesh	mesh	
	1.0	8.9	18.6	28.8	42.7
Flowability (s/50g)	40.9			GB/T 1482	
Apparent density (g/cm <sup>3</sup> )	2.59			GB/T 1479.1	
Green density, g/cm <sup>3</sup>	6.58			GB/T 5162, 600MPa	

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang

Approval: A. Xiao

Date: 2025-05-07

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