

CERTIFICATE OF ANALYSIS: 202404010071

Material Grade	316L Powder	Product No.	F0316-G-1545
Production Date	2024-03-21	Order No.	LTUA-240312
Lot No.	20240321-02	Quantity	100 kg
Process	Vacuum Gas Atomizing	Powder Size	15-45µm

Chemical Compositions / wt%

Element	Specification	Tested
Cr	16.5-18.5	17.29
Mo	2.0-2.5	2.48
Ni	11.0-14.0	12.17
Mn	1.5 Max.	1.24
Si	1.0 Max.	0.059
P	0.03 Max.	0.007
C	0.03 Max.	0.017
S	0.03 Max.	0.001
Fe	Bal.	Bal.
O	0.05 Max.	0.0339

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution (laser diffraction analysis)	D10/um	D50/um	D90/um	Standards
	15.6	29.1	45.5	GB/T 19077
Apparent density (g/cm ³)	4.12			GB/T 1479.1
Tap density (g/cm ³)	5.24			GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang

Approval: A. Xiao

Date: 2024-04-01