

CERTIFICATE OF ANALYSIS: 202404010070

Material Grade	18Ni300 Powder	Product No.	F0300-G-1545
Production Date	2024-03-21	Order No.	LTUA-240312
Lot No.	20240321-01	Quantity	100 kg
Process	Vacuum Gas Atomizing	Powder Size	15-45µm

Chemical Compositions / wt%

Element	Specification	Tested
Fe	Bal	Bal
Ni	17.0-19.0	17.97
Co	8.5-9.5	9.48
Mo	4.5-5.2	4.67
Al	0.05-0.15	0.14
Ti	0.60-0.80	0.78
Si	0.1 max.	0.096
Mn	0.1 max.	0.007
C	0.03 max.	0.012
S	0.01 max.	0.002
P	0.01 max.	0.007
O	0.03 max.	0.0098
N	0.01 max.	0.0076

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution (laser diffraction analysis)	D10/um	D50/um	D90/um	Standards
	16.3	30.1	45.7	GB/T 19077
Apparent density (g/cm ³)	4.25			GB/T 1479.1
Tap density (g/cm ³)	5.44			GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang



Approval: A. Xiao



Date: 2024-04-01