

CERTIFICATE OF ANALYSIS: 202405290016

Material Grade	Inconel 718 Powder	Product No.	NAM18-53150
Customer No.	KRC	Order No.	KRC-240522
Lot No.	20240304-01	Quantity	6 kg
Process	Gas Atomizing	Powder Size	53-150µm

Chemical Compositions / wt%

Element	Specification	Tested
Ni	50.0-55.0	53.4
Cr	17.0-21.0	18.8
Mo	2.8-3.3	3.1
Nb	4.75-5.50	5.11
Al	0.2-0.8	0.52
Ti	0.65-1.15	0.89
Si	0.35 max.	0.13
Mn	0.35 max.	0.07
Co	1.00 max.	0.02
S	0.015 max.	0.003
P	0.015 max.	0.002
O	/	0.011
N	/	0.009
Fe	Bal	Bal

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution (laser diffraction analysis)	D10/um	D50/um	D90/um	Standards
	58.4	89.6	139.7	GB/T 19077
Flowability (s/50g)		16.9		GB/T 1482
Apparent density (g/cm ³)		4.31		GB/T 1479.1

Test condition: Temperature 25°C, Humidity 40%

Judgement: Pass



Check: Y.Tang

Approval: L.Zhang

Date: 2024-05-29