

CERTIFICATE OF ANALYSIS: 202310080048

Material Grade	Inconel 939 Powder	Product No.	NAM39-100150
Customer No.	KRA	Order No.	KRA-230826
Lot No.	20230922-03	Quantity	10 kg
Process	Gas Atomizing	Powder Size	100-150µm

Chemical Compositions / wt%

Element	Specification	Tested
Ni	Bal	Bal
C	0.13-0.17	0.153
Si	0.2 max.	0.1102
Mn	0.2 max.	0.0059
Cr	22.0-22.8	22.19
Ti	3.0-4.5	3.31
W	1.8-2.2	1.82
Nb	0.9-1.1	1.04
Ta	1.3-1.8	1.67
Al	1.8-2.0	1.95
B	0.004-0.014	0.0088
Zr	0.05-0.14	0.10
Co	18.5-20.5	19.54

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution (laser diffraction analysis)	D10/um	D50/um	D90/um	Standards
	101.71	121.89	154.72	GB/T 19077
Flowability (s/50g)		13.0		GB/T 1482
Apparent density (g/cm ³)		4.50		GB/T 1479.1

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang

Approval: A. Xiao

Date: 2023-10-08