

CERTIFICATE OF ANALYSIS: 202310080047

Material Grade	Inconel 939 Powder	Product No.	NAM39-50100
Customer No.	KRA	Order No.	KRA-230826
Lot No.	20230922-03	Quantity	10 kg
Process	Gas Atomizing	Powder Size	50-100µm

Chemical Compositions / wt%

Element	Specification	Tested
Ni	Bal	Bal
C	0.13-0.17	0.154
Si	0.2 max.	0.1169
Mn	0.2 max.	0.0048
Cr	22.0-22.8	22.19
Ti	3.0-4.5	3.30
W	1.8-2.2	1.81
Nb	0.9-1.1	1.05
Ta	1.3-1.8	1.66
Al	1.8-2.0	1.96
B	0.004-0.014	0.0091
Zr	0.05-0.14	0.09
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
Flowability (s/50g)		14.0		GB/T 1482
Apparent density (g/cm ³)		4.36		GB/T 1479.1

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang

Approval: A. Xiao

Date: 2023-10-08