

**CERTIFICATE OF ANALYSIS: 202406060022**

Material Grade	IN625 Powder	Product No.	NAM25-1553
Customer No.	SAN	Order No.	SAN-240503
Lot No.	20240602-01	Quantity	500kg
Process	Gas Atomizing	Powder Size	15-53 $\mu$ m

**Chemical Compositions / wt%**

Element	Specification	Tested %
Ni	Bal.	Bal.
Cr	20.0-23.0	21.42
Mo	8.0-10.0	9.07
Nb	3.15-4.15	3.78
Al	0.40 max.	0.17
Ti	0.40 max.	0.18
Co	1.0 max.	0.11
Cu	0.07 max.	0.03
Fe	5.0 max.	0.72
Mn	0.50 max.	0.01
Si	0.50 max.	0.15
C	0.10 max.	0.031
P	0.015 max.	0.005
S	0.015 max.	0.001
O	/	0.009
N	/	0.006

Standards: GB/T 14265, GB/T 23942

**Powder Property**

Particle Size Distribution (laser diffraction analysis)	D10/ $\mu$ m	D50/ $\mu$ m	D90/ $\mu$ m	Standards
Flowability (s/50g)		16.9		GB/T 1482
Apparent density (g/cm <sup>3</sup> )		4.37		GB/T 1479.1
Tap density (g/cm <sup>3</sup> )		5.20		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y.Tang

Approval: L.Zhang

Date: 2024-6-6