

CERTIFICATE OF ANALYSIS: 202411140246

Material Grade	420 Powder	Product No.	F0420-G-0025
Production Date	2024-10-22	Order No.	CNV-240925
Lot No.	20241022-06	Quantity	500 kg
Process	Gas Atomizing	Powder Size	0-25µm

Chemical Compositions / wt%

Element	Specification	Tested
Cr	12.0-14.0	12.65
Si	1.0 max.	0.49
Ni	1.0 max.	0.58
Mn	1.0 max.	0.88
C	0.16-0.25	0.22
S	0.03 max.	0.006
P	0.04 max.	0.004
O	0.15 max.	0.108
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
	3.84	9.62	17.27	GB/T 19077
Apparent density (g/cm ³)	3.60			GB/T 1479.1
Tap density (g/cm ³)	4.59			GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y.Tang

Approval: L.Zhang

Date: 2024-11-14