

CERTIFICATE OF ANALYSIS: 202412190208

Material Grade	M2 Powder	Product No.	F00M2-W-30150
Production Date	2024-12-07	Order No.	CNK-241128
Lot No.	20241207-01	Quantity	1000 kg
Process	Water Atomizing	Powder Size	100-500 mesh

Chemical Compositions / wt%

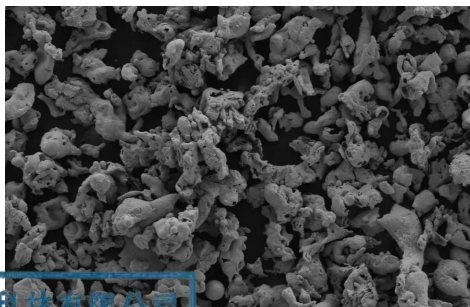
Element	Specification	Tested
Cr	3.75-4.5	3.94
Mo	4.5-5.5	5.43
W	5.5-6.75	6.27
V	1.6-2.2	1.79
Si	0.45 max.	0.16
Mn	0.45 max.	0.29
C	0.7-0.9	0.81
O	0.08 max.	0.051
P	0.015 max.	0.0086
S	0.015 max.	0.0032
Fe	Bal	Bal

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size (Sieve analysis)(%)	+100 mesh	100/200 mesh	200/500 mesh	-500 mesh
	0	34	62	4
	Specification			Tested
Flowability (s/50g)	<40			30.3
Apparent density (g/cm ³)	2.1-2.5			2.45

Test condition: Temperature 25° C, Humidity 40%

SEM Photo:

Judgement: Pass



Check: Y. Tang

Approval: L. Zhang

Date: 2024-12-19