

CERTIFICATE OF ANALYSIS: 202501210083

Material Grade	4340 Powder	Product No.	F4340-G-45150
Particle Shape	Spherical	Order No.	KRG-250107
Lot No.	20250117-01	Quantity	160 kg
Process	Gas Atomizing	Powder Size	45-150µm

Chemical Compositions / wt%

Element	Specification	Tested
Fe	Bal	Bal
Mo	0.20-0.30	0.244
Si	0.15-0.35	0.190
Cr	0.70-0.90	0.763
C	0.38-0.43	0.419
Mn	0.60-0.80	0.705
Ni	1.65-2.00	1.894
S	0.04 max.	0.008
O	0.10 max.	0.023

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution (laser diffraction analysis)	D10/um	D50/um	D90/um	Standards
	51.1	81.3	127.8	GB/T 19077
Flowability (s/50g)		15.48		GB/T 1482
Apparent density (g/cm ³)		3.99		GB/T 1479.1
Tap density (g/cm ³)		4.81		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang

Approval: A. Xiao

Date: 2025-01-21