

CERTIFICATE OF ANALYSIS: 202406070257

Material Grade	42CrMo Powder	Product No.	F0042-G-45150
Particle Shape	Spherical	Order No.	MXA-240412
Lot No.	20231126-03	Quantity	200 kg
Process	Gas Atomizing	Powder Size	45-150µm

Chemical Compositions / wt%

Element	Specification	Tested
Fe	Bal	Bal
Mo	0.15-0.25	0.22
Si	0.17-0.37	0.18
Cr	0.9-1.2	1.13
C	0.38-0.45	0.44
Mn	0.5-0.8	0.66
S	0.04 max.	0.008
O	0.10 max.	0.0185

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution	D10/um	D50/um	D90/um	Standards
(laser diffraction analysis)	53.7	89.6	138.9	GB/T 19077
Flowability (s/50g)		15.22		GB/T 1482
Apparent density (g/cm ³)		3.92		GB/T 1479.1
Tap density (g/cm ³)		4.89		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang



Approval: A. Xiao



Date: 2024-06-07