

CERTIFICATE OF ANALYSIS: 202410080127

Material Grade	H13M Powder	Product No.	F0013M-P-1553
Production Date	2024-09-04	Order No.	JPB-240828
Lot No.	20240904-01	Quantity	80 kg
Process	PREP	Powder Size	15-53 μ m

Chemical Compositions / wt%

Element	Specification	Tested
Fe	Bal	Bal
V	0.80-1.20	0.98
Cr	4.75-5.50	5.23
Mo	1.10-1.75	1.42
Mn	0.20-0.50	0.38
Si	0.80-1.20	1.05
C	0.29-0.35	0.33
P	0.030 max.	0.011
S	0.030 max.	0.006
O	/	0.016
N	/	0.0062

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution (laser diffraction analysis)	D10/ μ m	D50/ μ m	D90/ μ m	Standards
	26.9	40.7	58.8	GB/T 19077
Flowability (s/50g)		11.78		GB/T 1482
Apparent density (g/cm ³)		4.41		GB/T 1479.1
Tap density (g/cm ³)		4.78		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang

Approval: L. Zhang

Date: 2024-10-08