

CERTIFICATE OF ANALYSIS: 202407120004

Material Grade	CMSX-4 Powder	Product No.	NAM-4-2050
Customer No.	USA	Order No.	USA-240625
Lot No.	20231228-01	Quantity	5 kg
Process	Gas Atomizing	Powder Size	20-50µm

Chemical Compositions / wt%

Element	Specification	Tested
Ni	Bal	Bal
Cr	6.4-6.6	6.59
Co	9.6-9.9	9.73
Mo	0.5-0.7	0.63
Al	5.45-5.75	5.65
Ti	0.9-1.1	1.06
Ta	6.3-6.7	6.43
W	6.2-6.6	6.45
Hf	0.06-0.14	0.085
Re	2.8-3.1	3.00
S	/	0.0007
C	/	0.009
O	≤0.03	0.026
N	≤0.03	0.0044


Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution (laser diffraction analysis)	D10/um	D50/um	D90/um	Standards
Flowability (s/50g)		17.8		GB/T 1482
Apparent density (g/cm ³)		4.48		GB/T 1479.1
Tap density (g/cm ³)		5.20		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass

Check: Y.Tang Approval: L.Zhang 

Date: 2024-07-12