

CERTIFICATE OF ANALYSIS: 202404200053

Material Grade	NiCrAlY Powder	Product No.	NCAY-45105
Customer No.	CNF	Order No.	CNF-240322
Lot No.	20240415-02	Quantity	1000 kg
Process	Gas Atomizing	Powder Size	45-105 μm

Chemical Compositions / wt%

Element	Specification	Tested
Ni	Bal.	Bal.
Cr	28.5-30.5	28.96
Al	9.5-10.5	10.01
Y	0.3-0.7	0.56
O	/	0.027
C	/	0.010
S	/	0.0011
N	/	0.012

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution (laser diffraction analysis)	D10/ μm	D50/ μm	D90/ μm	Standards
	47.11	70.48	104.79	GB/T 19077
Flowability (s/50g)		20.2		GB/T 1482
Apparent density (g/cm^3)		3.78		GB/T 1479.1
Tap density (g/cm^3)		4.29		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang

Approval: A. Xiao

Date: 2024-04-20