

CERTIFICATE OF ANALYSIS: 202403080052

Material Grade	NiCrSiNbMo Powder	Product No.	NCSNM-0045
Customer No.	TRA	Order No.	TRA-240227
Lot No.	20240301-01	Quantity	800 kg
Process	Gas Atomizing	Powder Size	0-45 μ m

Chemical Compositions / wt%

Element	Specification	Tested
Ni	Bal	Bal
Cr	25.0-27.0	26.22
Mo	10.0-12.0	11.16
Nb	0.4-0.6	0.50
N	0.05 max.	0.010
Si	1.4-1.6	1.53
C	0.3 max.	0.016
S	0.025 max.	0.0013
O	0.05 max.	0.021

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
	10.75	25.36	45.35	GB/T 19077
Apparent density (g/cm ³)		4.15		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: A. Xiao

Date: 2024-03-08