

**CERTIFICATE OF ANALYSIS: 202404150051**

Material Grade	Monel 400 Powder	Product No.	NAMM40-45105
Customer No.	ILB	Order No.	ILB-240405
Lot No.	20240410-01	Quantity	5 kg
Process	Gas Atomizing	Powder Size	45-105µm

**Chemical Compositions / wt%**

Element	Specification	Tested
Ni	Bal	Bal
Cu	28.0-34.0	29.51
Fe	2.5 max.	1.71
Si	0.5 max.	0.20
Mn	2.0 max.	0.89
C	0.3 max.	0.11
S	0.025 max.	0.0016
O	0.05 max.	0.026
N	0.05 max.	0.021

Standards: GB/T 14265, GB/T 23942

**Powder Property**

Particle Size Distribution (laser diffraction analysis)	D10/um	D50/um	D90/um	Standards
	48.5	73.5	103.7	GB/T 19077
Flowability (s/50g)		16.9		GB/T 1482
Apparent density (g/cm <sup>3</sup> )		4.43		GB/T 1479.1
Tap density (g/cm <sup>3</sup> )		5.25		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: Pass



Check: Y. Tang

Approval: A. Xiao

Date: 2024-04-15

唐音  
肖爽怀