

CERTIFICATE OF ANALYSIS: 202405150054

Material Grade	NiFe50 Powder	Product No.	NM-Fe50-0053
Customer No.	CNE	Order No.	CNE-20240417
Lot No.	20240508-01	Quantity	100 kg
Process	Gas Atomizing	Powder Size	0-53 μ m

Chemical Compositions / wt%

Element	Specification	Tested
Ni	Bal.	Bal.
Si	0.4 max.	0.0072
Mn	0.6 max.	0.0121
C	0.05 max.	0.0053
S	0.015 max.	0.0010
P	0.015 max.	0.0040
O	/	0.0451
Fe	48.5-50.5	49.3

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
	8.2	23.7	48.5	GB/T 19077
Apparent density (g/cm ³)		3.86		GB/T 1479.1
Tap density (g/cm ³)		5.49		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgement: **Pass**

Check: Y. Tang

Approval: A. Xiao

Date: 2024-5-15