

**CERTIFICATE OF ANALYSIS: 202404260035**

Material Grade	Hastelloy-C276 Powder	Product No.	NAMHC76-45120
Customer No.	IDB	Order No.	IDB-240327
Lot No.	20240418-01	Quantity	50 kg
Process	Gas Atomizing	Powder Size	45-120µm

**Chemical Compositions / wt%**

Element	Specification	Tested
Ni	Bal	Bal
Mo	15.0-17.0	16.19
Fe	3.5-6.5	3.57
Cr	14.5-16.5	15.36
W	3.0-4.5	4.19
Si	0.08 max.	0.05
Mn	1.0 max.	0.89
V	0.35 max.	0.31
O	/	0.02
N	/	0.008

Standards: GB/T 14265, GB/T 23942

**Powder Property**

Particle Size Distribution	D10/um	D50/um	D90/um	Standards
(laser diffraction analysis)	48.6	77.8	114.9	GB/T 19077
Flowability (s/50g)		16.55		GB/T 1482
Apparent density (g/cm <sup>3</sup> )		4.26		GB/T 1479.1
Tap density (g/cm <sup>3</sup> )		5.57		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgment: Pass



Check: Y. Tang

Approval: A. Xiao

Date: 2024-04-26