

**CERTIFICATE OF ANALYSIS: 202402270064**

Material Grade	AlCoCrFeNi Powder	Product No.	H0003-2-0025
Customer No.	CAC	Order No.	CAC-240110
Lot No.	20231127-01	Quantity	5 kg
Process	Gas Atomizing	Powder Size	0-25 $\mu$ m

**Chemical Compositions / wt%**

Element	Specification	Tested
Co	22.5-24.5	23.29
Al	8.5-10.5	10.37
Cr	20.5-22.5	20.90
Fe	Bal.	Bal.
C	/	0.022
Ni	22.5-24.5	23.34
N	/	0.011
S	/	0.002
O	/	0.024

Standards: GB/T 14265, GB/T 23942

**Powder Property**

Particle Size Distribution	D10/ $\mu$ m	D50/ $\mu$ m	D90/ $\mu$ m	Standards
(laser diffraction analysis)	7.2	14.7	25.7	GB/T 19077
Apparent density (g/cm <sup>3</sup> )	3.47			GB/T 1479.1
Tap density (g/cm <sup>3</sup> )	4.98			GB/T 5162

Test condition: Temperature 25°C, Humidity 40%

Judgement: Pass



Check: Y.Tang

Approval: L.Zhang

Date: 2024-02-27