

CERTIFICATE OF ANALYSIS: 202408090044

Material Grade	309L Powder	Product No.	F0309-G-4590
Particle shape	Spherical	Order No.	ZAA-240712
Lot No.	20240805-01	Quantity	20 kg
Process	Gas Atomizing	Powder Size	45-90µm

Chemical Compositions / wt%

Element	Specification	Tested
C	0.03 max.	0.006
Cr	23.0-25.0	24.24
Mn	1.0-2.5	1.51
Si	0.35-0.65	0.45
Ni	12.0-14.0	13.61
Cu	0.75 max.	0.22
Mo	0.75 max.	0.24
Fe	Bal	Bal
P	0.03 max.	0.008
S	0.03 max.	0.004

Standards: GB/T 14265, GB/T 23942

Powder Property

Particle Size Distribution	D10/um	D50/um	D90/um	Standards
(laser diffraction analysis)	46.2	65.3	89.4	GB/T 19077
Flowability (s/50g)		14.1		GB/T 1482
Apparent density (g/cm ³)		4.27		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: L.Zhang

Date: 2024-08-09