

**CERTIFICATE OF ANALYSIS: 202409250207**

Material Grade	1045 Powder	Product No.	F1045-P-1553
Production Date	2024-08-30	Order No.	CNA-240702
Lot No.	20240830-01	Quantity	50 kg
Process	PREP	Powder Size	15-53µm

**Chemical Compositions / wt%**

Element	Specification	Tested
Fe	Bal	Bal
Si	0.55 max.	0.31
N	0.012 max.	0.0051
C	0.42-0.50	0.46
Mn	0.60-0.90	0.73
S	0.025 max.	0.014
P	0.025 max.	0.013

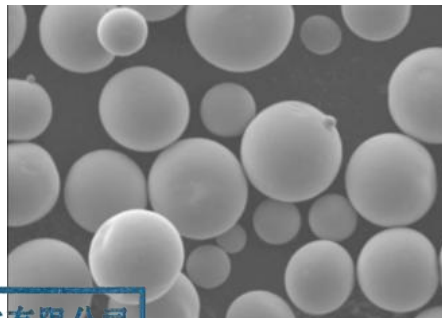
Standards: GB/T 14265, GB/T 23942

**Powder Property**

Particle Size Distribution (laser diffraction analysis)	D10/um	D50/um	D90/um	Standards
	28.6	39.7	53.5	GB/T 19077
Flowability (s/50g)		12.73		GB/T 1482
Apparent density (g/cm <sup>3</sup> )		4.55		GB/T 1479.1
Tap density (g/cm <sup>3</sup> )		5.09		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

**SEM Photo:**



Judgement: Pass

Check: Y. Tang

唐莹

Approval: A. Xiao

肖爽怀

Date: 2024-09-25