

CERTIFICATE OF ANALYSIS: 202501200196

Material Grade	SCM415 Powder	Product No.	F0415-P-1553
Production Date	2025-01-09	Order No.	USC-241205
Lot No.	20250109-02	Quantity	20 kg
Process	PREP	Powder Size	15-53 μ m

Chemical Compositions / wt%

Element	Specification	Tested
C	0.12-0.18	0.13
Si	0.15-0.35	0.23
Mn	0.50-0.80	0.54
Cr	0.90-1.20	0.94
Ni	0.10 max.	0.06
Cu	0.10 max.	0.02
Mo	0.20-0.50	0.42
O	/	0.0331
N	/	0.0011
P	0.025 max.	0.014
S	0.015 max.	0.0004
Fe	Bal	Bal

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
Flowability (s/50g)		10.33		GB/T 1482
Apparent density (g/cm ³)		4.42		GB/T 1479.1
Tap density (g/cm ³)		4.55		GB/T 5162

Test condition: Temperature 25° C, Humidity 40%

Judgment: Pass



Check: Y. Tang

Approval: A. Xiao

Date: 2025-01-20

唐音
肖爽怀