

**CERTIFICATE OF ANALYSIS: 202411200234**

Material Grade	TiN Powder	Product No.	MNT-N-0512
Production Date	2024-11-02	Order No.	CNX-240927
Lot No.	20241102-01	Quantity	500 kg
Process	Vacuum Nitriding	Particle Size	D50=5-12 $\mu$ m

**Chemical Compositions / wt%**

Element	Specification	Tested
Ti	/	82.63
N	/	17.36
Other impurity in total	0.01 max.	<0.01

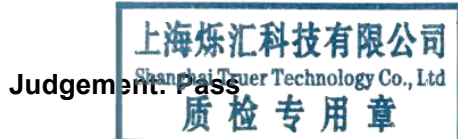
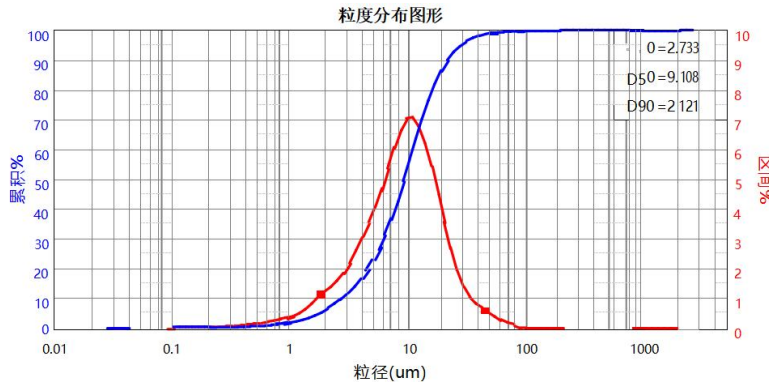
Standards: GB/T 14265, GB/T 2012

**Powder Property**

Particle Size	Item	Specification	Tested	Standards
(Laser analysis)( $\mu$ m)	D50	5-12	9.108	GB/T 19077

Test condition: Temperature 25°C, Humidity 40%

**PSD Graph:**



Judgement: Pass

Check: Y. Tang

Approval: A. Xiao

Date: 2024-11-20