



Technical Data Sheet

ACS Material Titanium Nitride (TiN)

CAS No.:25583-20-4

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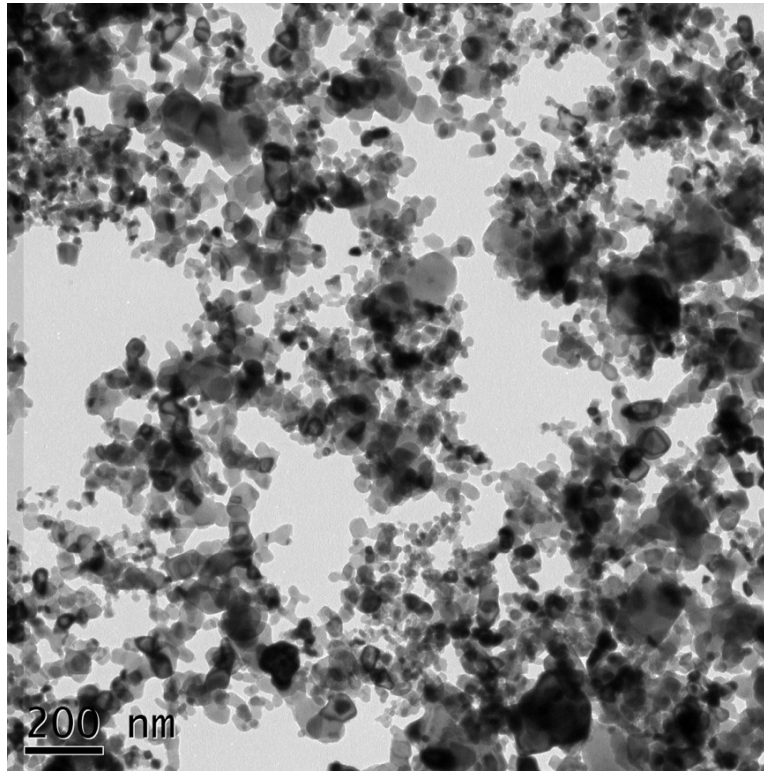
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1. Preparation Method

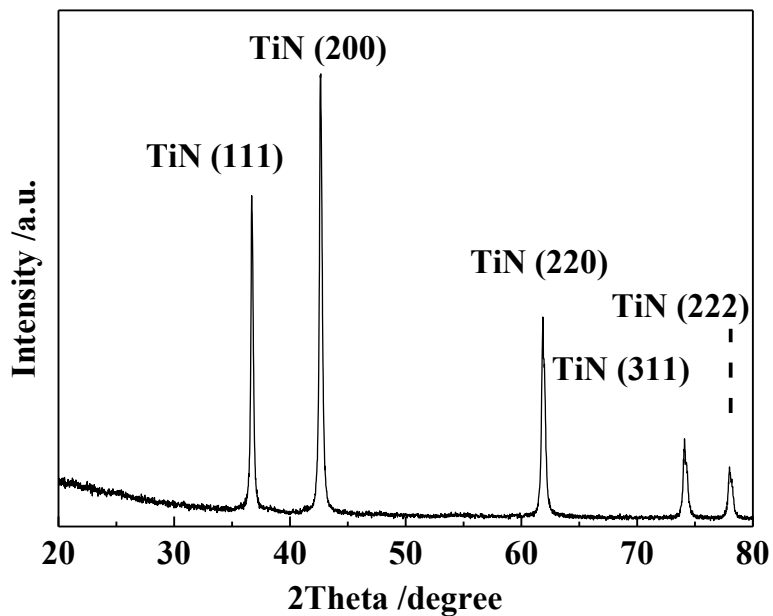
Reduction Nitriding Method

2. Characterizations

Product Name:	Titanium Carbide (TiN)
Particle Size:	~14nm
Specific Surface Area:	80 m ² /g
Purity	97%
Other Impurities	Al,Ca,C,O



Typical TEM Image of ACS Material TiN



Typical XRD Analysis of ACS Material TiN

3. Application Fields

- 1) Paint
- 2) Titanium nitride sputtering target
- 3) Titanium nitride refractory spray
- 4) Medical apparatus and instruments
- 5) Microelectronics
- 6) Bioelectronic electrode

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