



Technical Data Sheet

ACS Material Titanium Carbide (TiC)

CAS No.:12070-08-5

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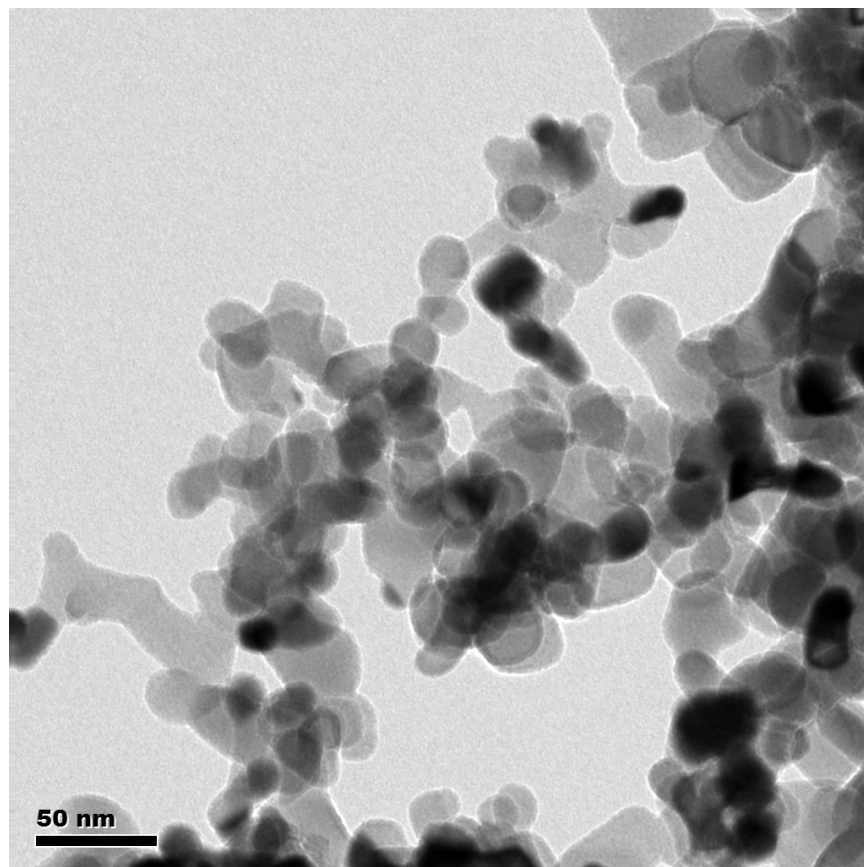
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1. Preparation Method

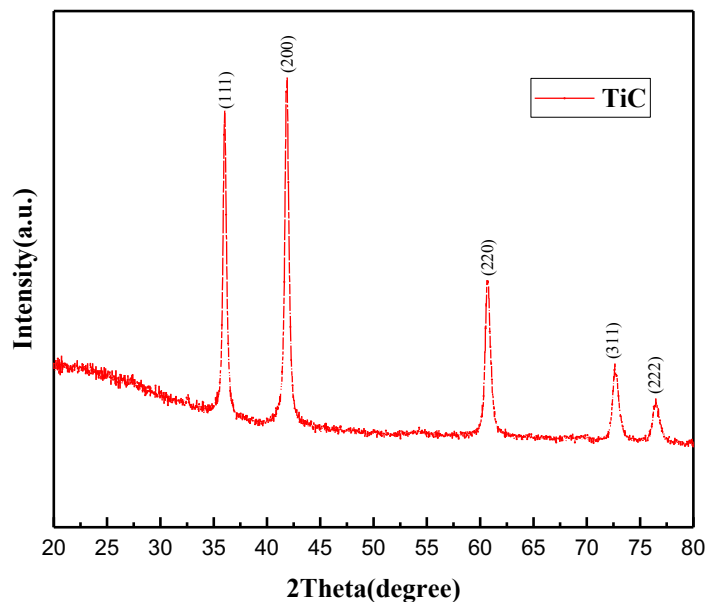
Metal Titanium Direct Carbonization Method
Gas Phase Reaction Method

2. Characterizations

Product Name:	Titanium Carbide (TiC)
Appearance:	Black Powder
Particle Size:	10~100nm
Density:	4.93 g/cm ³
Purity:	~99%



Typical TEM Image of ACS Material Titanium Carbide



Typical XRD of ACS Material Titanium Carbide

3. Application Fields

- 1) Metal melting crucible
- 2) The semiconductor wear-resistant film
- 3) The large-capacity memory device

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