



Technical Data Sheet

ACS Material Black TiO_{2-x}

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Contact Information:

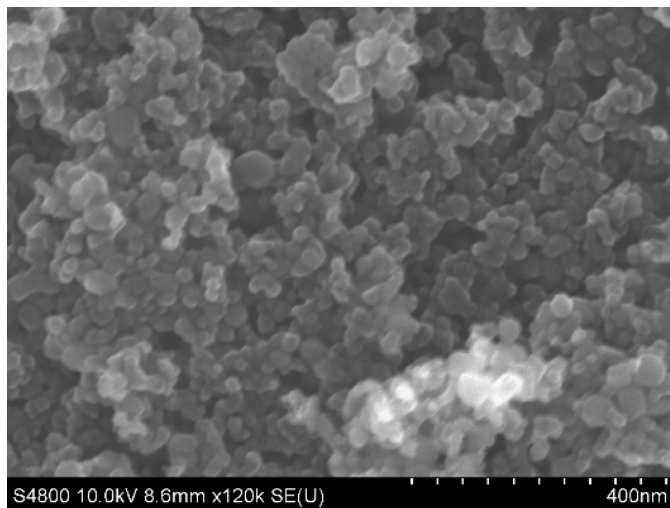
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Revision: 011119

1. Preparation Method

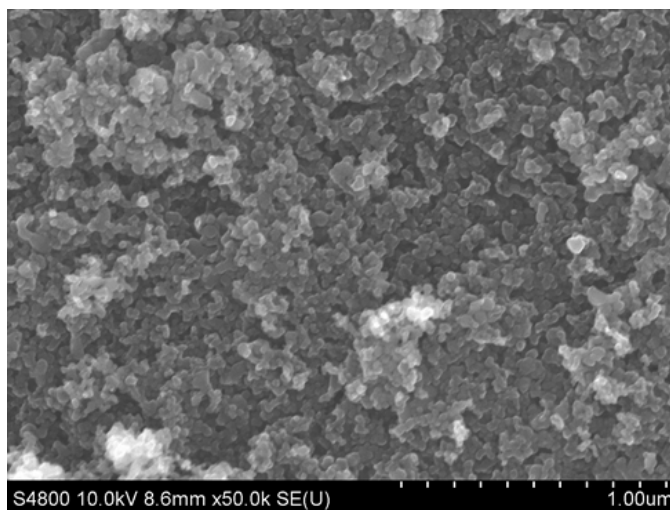
Sodium Borohydride Reduction Method

2. Characterizations

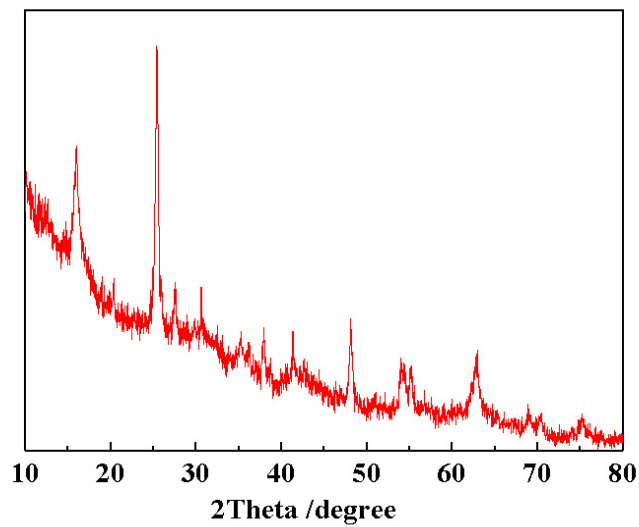
Product Name : Black TiO_{2-x}
Diameter : 10-40 nm



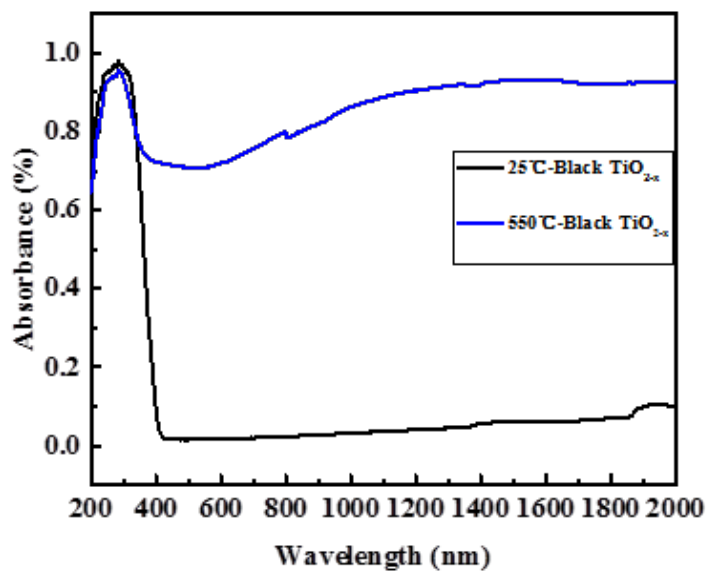
Typical SEM Image of ACS Material Black TiO_{2-x}(1)



Typical SEM Image of ACS Material Black TiO_{2-x}(2)



Typical XRD of ACS Material Black TiO_{2-x}



Typical UV-visible Spectrogram of ACS Material Black TiO_{2-x}

3. Application Fields

- 1) Supercapacitor
- 2) High-performance photocatalyst
- 3) Lithium ion battery
- 4) Energy battery
- 5) Photothermal treatment of cancer
- 6) Microwave absorption

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