



Technical Data Sheet

ACS Material Titanium Dioxide (TiO₂)

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Contact Information:

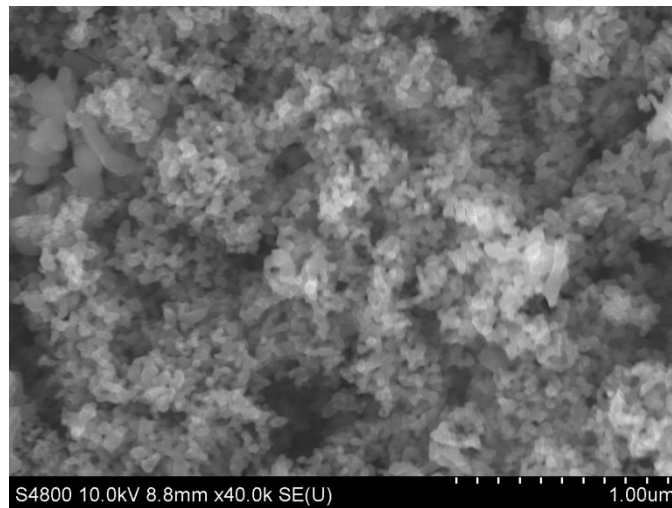
Manufacturer: ACS Material, LLC.
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Revision: 100522

1. Preparation Method

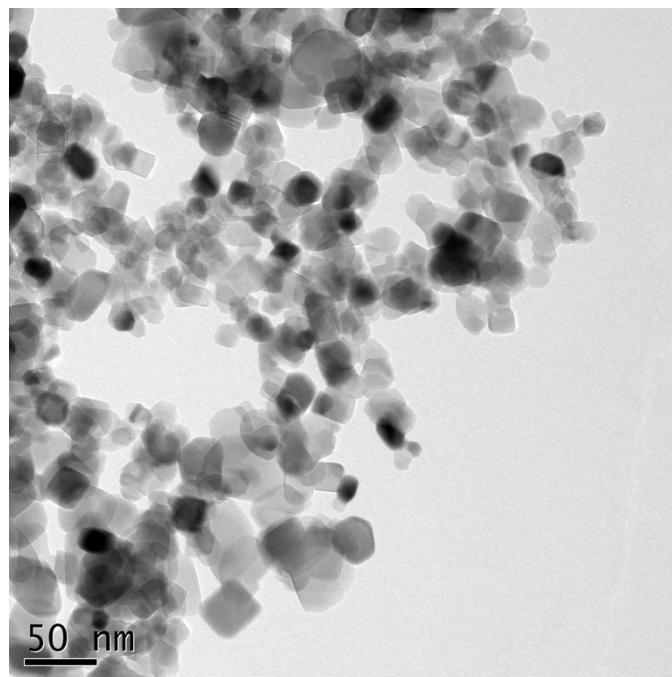
TiCl₄ Hydroxy-oxygen Flame Hydrolysis Method

2. Characterizations

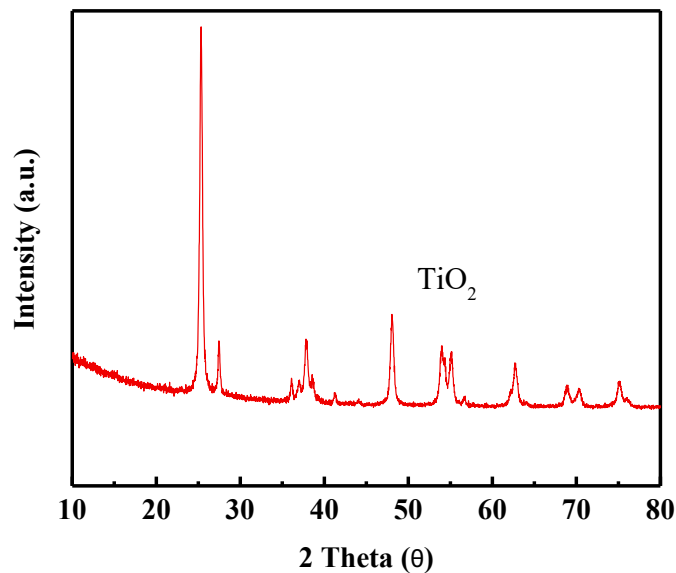
Product Name : Titanium Dioxide (TiO₂)
Diameter : 10-40 nm
Particle Shape : Spherical
Type : P25
Anatase:Rutile : 85:15
Purity : >95%
Trace Metals : SiO₂ - <0.2wt%
Al₂O₃ - <0.3wt%
Fe₂O₃ - <0.01wt%
HCL - <0.3wt%



Typical SEM Image of ACS Material TiO₂



Typical TEM Image of ACS Material TiO₂



Typical XRD of ACS Material TiO₂

3.Application Fields

- 1) Photocatalyst
- 2) Semiconductor porous membrane
- 3) Metal coating
- 4) Ceramic additive

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