



Technical Data Sheet

ACS Material Porous Silicon

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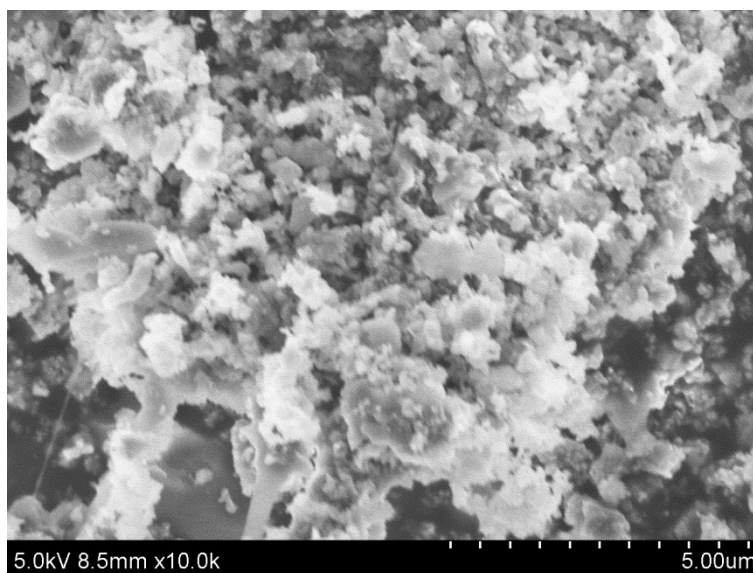
Revision: 091417

1. Preparation Method

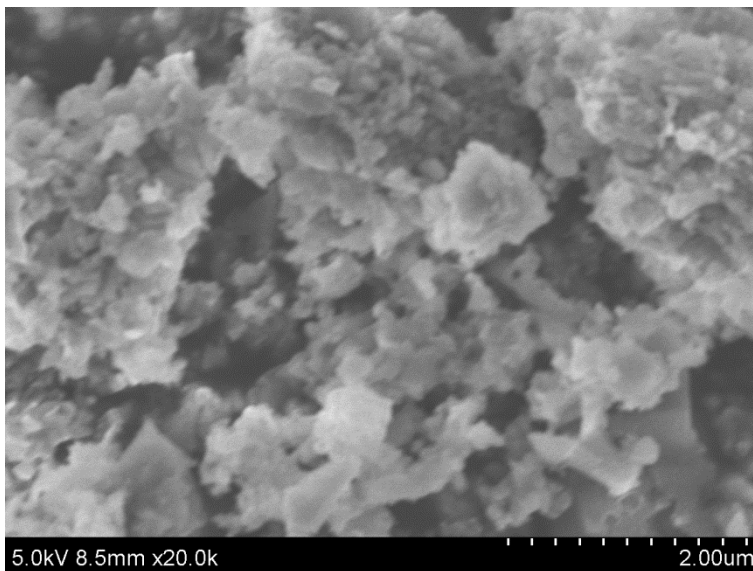
Physical Method

2. Characterizations

Element Symbol:	Si
Atomic Weight (g/mol):	28.08
Particle Size (D50) (μm):	5
Pore Size (nm):	80
BET Surface Area (m²/g):	~50
Purity (%):	>99.99

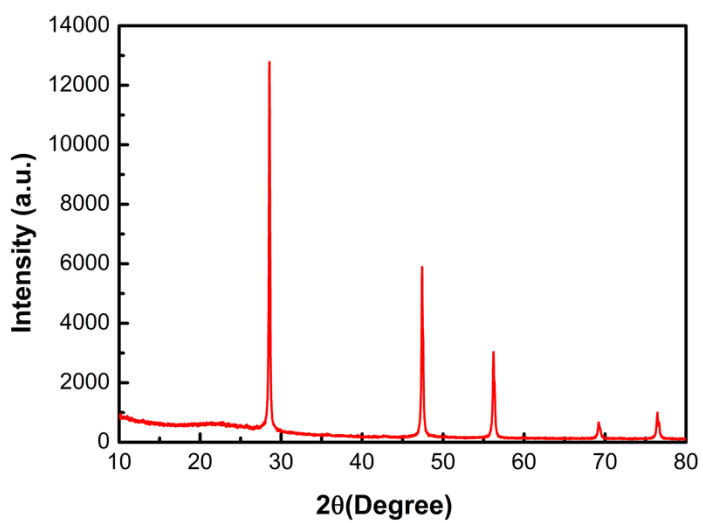


Typical SEM Image of ACS Material Porous Silicon (1)



Typical SEM Image of ACS Material Porous Silicon (2)

Element	Content (wt%)
Si	>99.99
Mg	<0.008
Fe	<0.0012
Ca	<0.0006
Zn	<0.009
Sn	<0.006



XRD Analysis of ACS Material Porous Silicon

3. Application Fields

- 1) Anode material in lithium ion batteries
- 2) Biomedical materials

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