



Technical Data Sheet

ACS Material Silicon Monoxide

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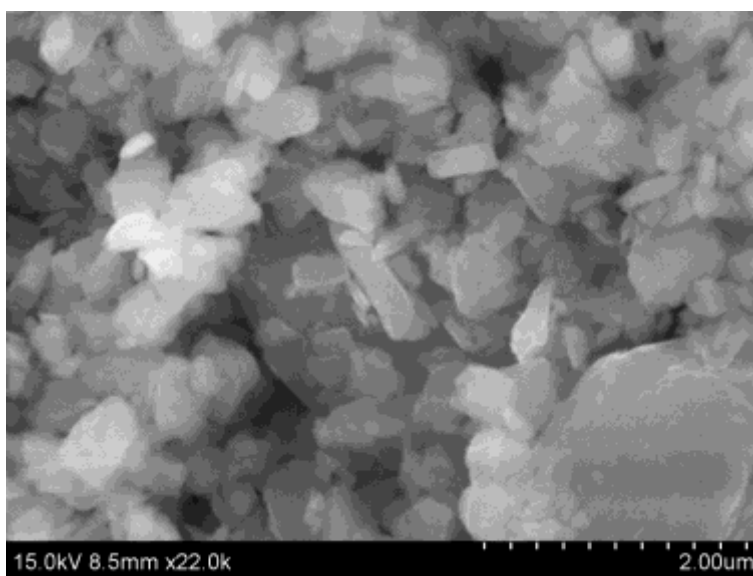
Revision: 0729017

1. Preparation Method

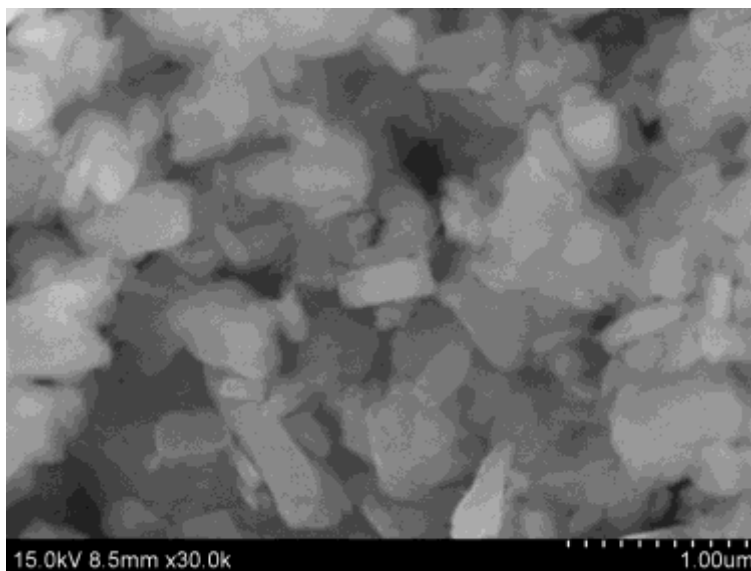
Chemical Vapor Deposition (CVD) Method

2. Characterizations

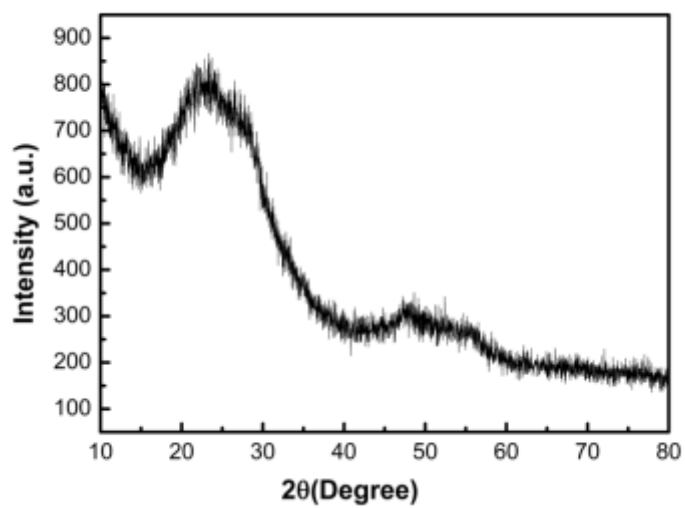
Element Symbol:	SiO
Atomic Weight (g/mol):	44.08
Appearance:	Black brown powder
Average Particle Size (nm):	400
Purity (%):	>99.99



Typical SEM Image of ACS Material Silicon Monoxide (1)



Typical SEM Image of ACS Material Silicon Monoxide (2)



XRD Analysis of ACS Material Silicon Monoxide

3. Application Fields

- a. Lithium-ion secondary battery anode material precursors to prepare silicon-based anode material
- b. Fine ceramic synthetic raw materials; such as silicon nitride and silicon carbide

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