



Technical Data Sheet

ACS Material 60% Platinum on Carbon Catalyst (60% Pt/C)

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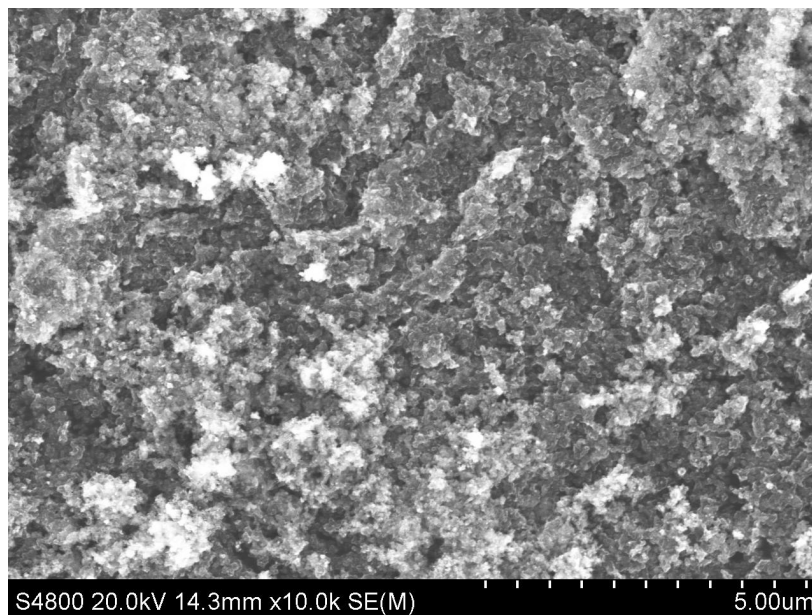
1. Preparation Method

Low-temperature wet reduction.

2. Characterizations

Products	60% Pt/C
Mass Ratio	60% Pt; 40% C
Appearance	Black Powder
Catalyst support	High surface carbon
Mass activity (A/mg)	0.14
ECSA (m²/g)	74
Catalyst durability in MEA	Cycles of 0.6-0.95V while voltage loss < 30 mV at 1.5 A/cm ² and ECSA loss < 40% (>30000 cycles)
Particle size of load (nm)	3.0
Features	Balanced

This product may contain 1% impurities whose main components are Cl and B.



Typical SEM Image of ACS Material 60% Pt/C

3. Applications

- 1) Fuel cell
- 2) Chemical reaction with oxygen
- 3) Organic Synthesis

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