



Technical Data Sheet

ACS Material 50% Platinum-cobalt on Carbon Catalyst (50% PtCo/C)

1 – Preparation Method

2 – Characterizations

3 – Applications

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Revision: 011823

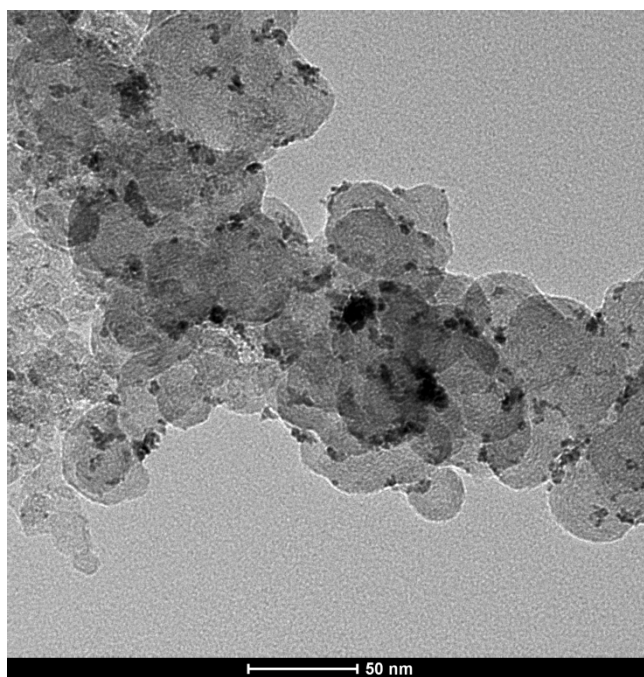
1. Preparation Method

Low-temperature wet reduction.

2. Characterizations

Products	50% PtCo/C
Components	50% Pt; 15% Co; 35% C
Appearance	Black Powder
Catalyst support	High Surface Carbon
Mass Activity (A/mg)	0.273
ECSA (m²/g)	80
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)	4.5
Feature	High active

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



Typical TEM Image of ACS Material 50% PtCo/C

3. Applications

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

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