

Lanthanum Strontium Cobalt Oxide Cathode Powder (LSC)

SOFCMAN offers Lanthanum Strontium Cobalt Oxide Cathode Powder (LSC). Specifications on our LSC product are provided in the table below and representative data are provided in the figures on the following.

SOFCMAN has the ability to make material in larger quantities. For more information about our capacities or to request a quotation please contact us. Custom formulations can be delivered typically within three weeks of ordering.

Product Specifications

Product Type	LSC
Standard Compositions*	$\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$
Particle Size(d50)	0.5~2 μm
Crystal Structure	Single-Phase Perovskite
Surface Area	6~10 m^2 /gram
Electrical Conductivity	$\geq 1000\text{S/cm}$ @600°C~700°C
Purity	$\geq 99.5\%$

*Custom formulation available.

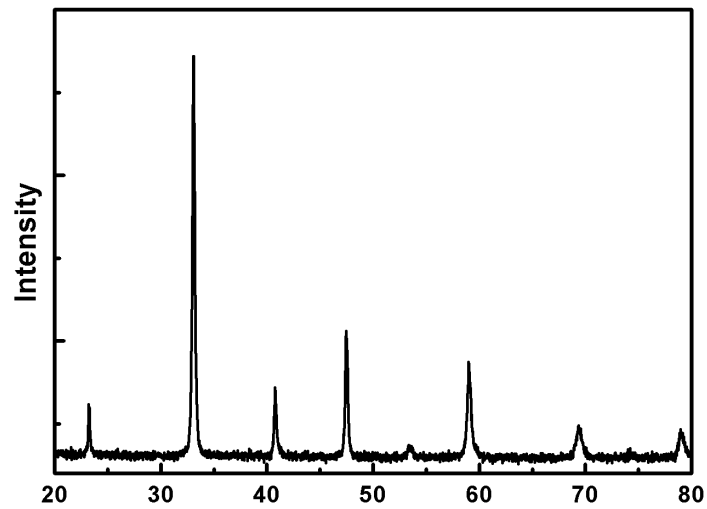


Fig. 1 Typical XRD Pattern

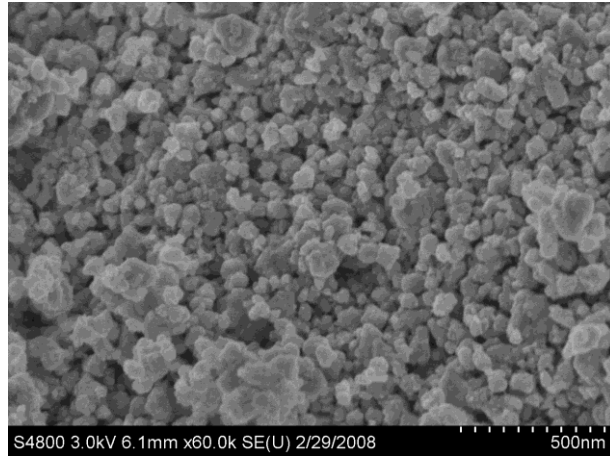


Fig.2 Typical FESEM Picture

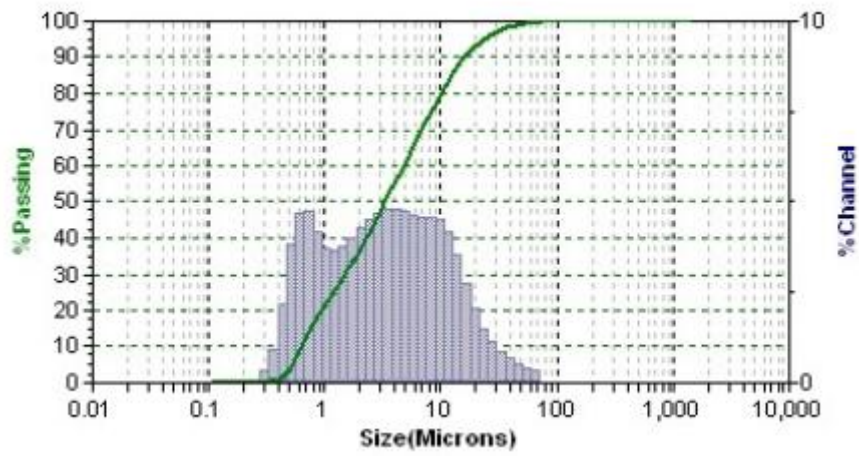


Fig.3 Typical particle size distribution

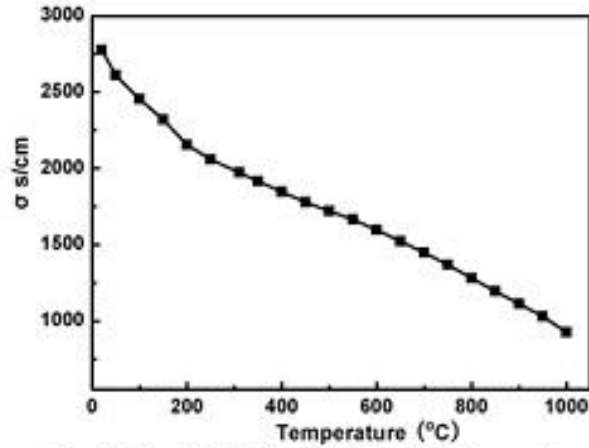


Fig.4 Electrical Conductivity Vs Temperature

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