

## Powder for Plasma

SOFCMAN offers fine grade Lanthanum Strontium Manganate Cathode Powder (LSM). To reduce the oxidation of the interconnects, the LSM powder is the most used on the cathode side of the interconnect by plasma spraying. Specifications on our powder for plasma 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	LSM Powder for Plasma
Standard Compositions*	LSM25:(La <sub>0.75</sub> Sr <sub>0.25</sub> ) <sub>0.95</sub> Mn O <sub>3-δ</sub>
Particle Size (d50)	~50 μm
Crystal Structure	Single-Phase Perovskite
Electrical Conductivity	≥150S/m@600°C~800°C
Purity	≥99.5%
Manufacturing Process	Solid State Reaction

\*Slightly A-site deficient. Custom formulation available.

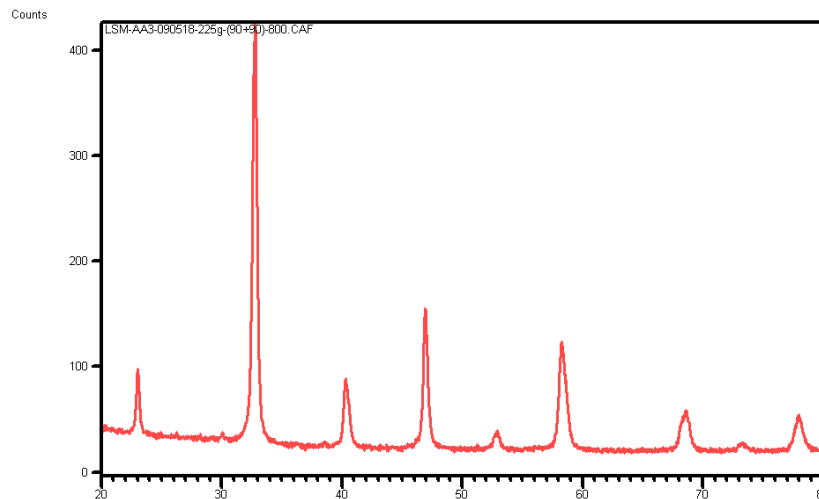


Fig. 1 Typical XRD Pattern

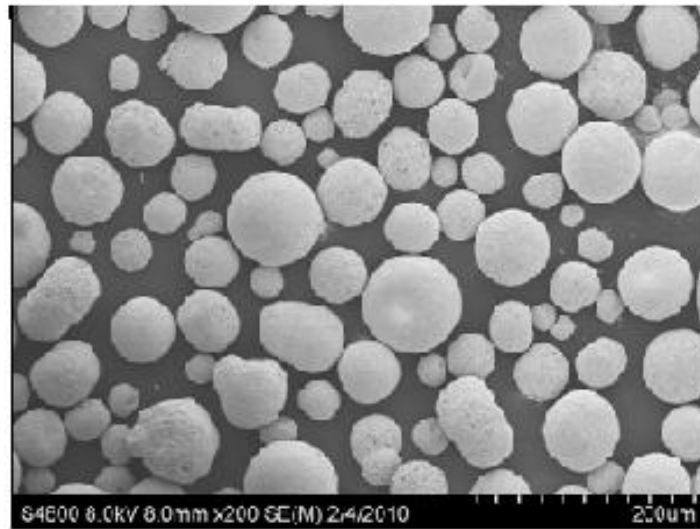


Fig.2 Typical FESEM Picture

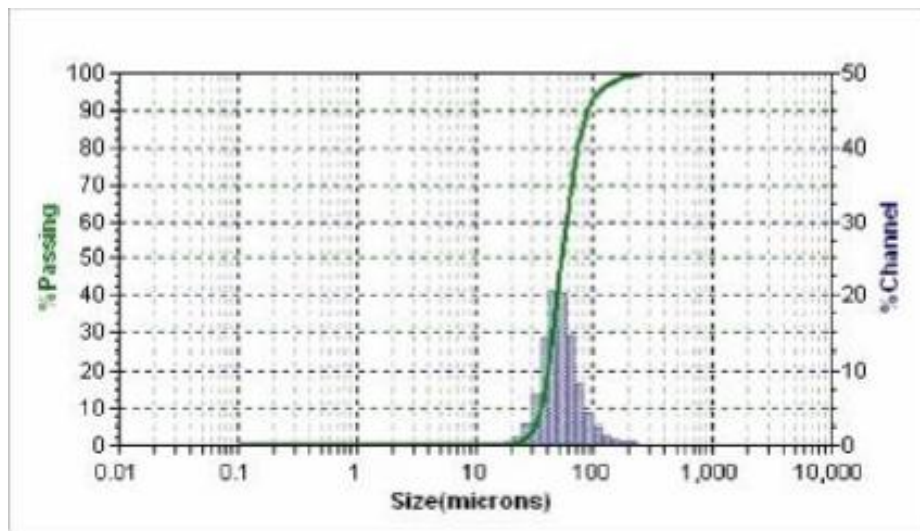


Fig.3 Typical particle size distribution

Price: 2160.00 RMB/Kg (>25Kg 1800.00 RMB/Kg , >100Kg 1440.00 RMB/Kg)

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