



Shanghai Sheeny Metal Mateirals Co.,Ltd.

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★PRODUCT INFORMATION

COA Number :

Product Name : Nano Samarium Oxide

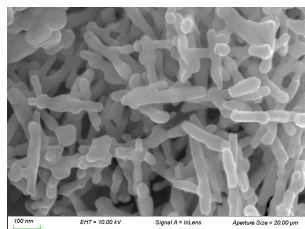
CAS.No : 12060-58-1

Molecular Formula : Sm_2O_3

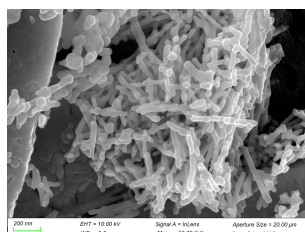
Batch Number :

Purity : 99.9%

Total REO : $\geq 98.5\%$



Samarium Oxide
CAS NO.12060-58-1



★Elemental Impurity Content

ITEM			STANDARD	DATA	RESULT
TREO %			≥ 98.5	> 98.5	√
$\text{Sm}_2\text{O}_3/\text{REO}\%$			≥ 99.9	> 99.9	√
IMPURITY CONTENT %	RARE EARTH CONTENT /REO %	La2O3			
		CeO2			
		Pr6O11	≤ 0.01	< 0.01	√
		Nd2O3	≤ 0.03	< 0.03	√
		Sm2O3			
		Eu2O3	≤ 0.02	< 0.02	√
		Gd2O3	≤ 0.01	< 0.01	√

		Tb4O7			
		Dy2O3			
		Ho2O3			
		Er2O3			
		Tm2O3			
		Yb2O3			
		Lu2O3			
		Y2O3	≤0.01	<0.01	√
	NON- RARE EARTH CONTENT %	Fe2O3	≤0.0050	0.0003	√
		SiO2	≤0.0100	0.0021	√
		CaO	≤0.0100	0.0003	√
		Cl ⁻	≤0.0200	0.0050	√
1000°C,1h,%Loss on ignition of 1000°C%		≤1.5	0.97	√	
BET(m²/g)		15-22	6.83	√	
SEM(nm)		80-150(98%)	80-150(98%)	√	

Analysis sheet is only applicable to the batch number of the contract corresponding to the customer who purchases our products, and does not represent the quality of all our products under the same specifications. Specific indicator requirements can be confirmed with our sales personnel!

“Thank you for your long-term care and support for our company”

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