



# Advanced Engineering Materials

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## Material Certification Sheet

Product Name:	Sc2O3 Powder
Purity:	99.999%
AEM Part No.:	AEMRP-Sc2O3
Lot Number:	AEM-2023092611
Size:	D50 20-50 um

Chemical Composition: ppm by wt

Sc2O3	99.999%	Fe2O3	≤2
La2O3	Total ≤ 0.001%	SiO2	≤20
CeO2		CaO	≤10
Pr6O11		CuO	≤2
Nd2O3		MgO	≤5
Sm2O3		PbO	≤2
Eu2O3		NaO	≤5
Gd2O3		NiO	≤2
Tb4O7		P	≤5
Dy2O3		S	≤20
Ho2O3		Cl	≤50
Tm2O3		Zr	≤10
Er2O3		Ti	≤5
Yb2O3		REO	>99.5%
Lu2O3		LOI	<1%
Y2O3			

By: \_\_\_\_\_