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Material Certification Sheet

Product Name:	Scandium (Sc) Sputtering Target
Purity:	TREM >99.95%, Sc/TREM >99.99%
AEM Part No.:	AEMST-Sc
Lot Number:	AEM2013102401

Analysis Type: Typical, PPM by Wt.

RE Impurities (<)		Non-RE Impurities (<)							
La	7.0	Mn	3.0	K	0.9	Te	0.6	Pa	0.1
Ce	2.0	Fe	35.0	V	0.5	I	0.4	U	0.1
Pr	5.0	Si	25.0	Co	0.1	Cs	0.1	Np	0.1
Nd	5.0	Ca	10.0	Ga	0.1	Ba	2.0	Pu	0.1
Sm	0.5	Mg	5.0	Ge	0.1	Hf	0.1	Am	0.1
Eu	3.0	Cu	30.0	As	0.7	Re	0.1	Cm	0.1
Gd	3.0	Ni	10.0	Se	0.5	Os	0.1	Bk	0.1
Tb	3.0	Al	15.0	Rb	0.1	Ir	0.1	Cf	0.1
Dy	5.0	Zn	1.0	Sr	0.1	Pt	0.1	Es	0.1
Ho	0.5	Ti	2.0	Zr	0.5	Au	0.1	Fm	0.1
Er	5.0	Mo	2.0	Nb	0.1	Hg	0.1	Md	0.1
Tm	2.0	Cr	3.0	Yc	0.1	Ti	0.1	No	0.1
Yb	1.0	Pb	1.0	Ru	0.1	Lr	0.1	H	5.0
Lu	5.0	Ta	0.1	Rh	0.1	Bi	0.1	Br	0.5
Y	18.0	W	1.0	Pd	0.1	Po	0.1	Cl	20.0
		Li	0.1	Ag	0.1	At	0.1	C	40.0
TREM	>99.95%	Be	0.1	Cd	0.1	Er	0.1	N	45.0
Sc/TERM	>99.99%	B	0.2	In	0.1	Ra	0.1	O	160.0
		Na	0.9	Sn	0.1	Ac	0.1	F	10.0
		P	11.0	Sb	0.1	Tn	0.1		

By: _____