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Material Certification Sheet

Product Name:	Lutetium (Lu) Sputtering Target
Purity:	TREM >99.5%, Lu/TREM >99.9%
AEM Part No.:	AEMRE-Lu
Lot Number:	AEM2016050702
Date:	2016/5/7

Analysis Type: ICP-MS, ppm

RE Impurities (<)		Non-RE Impurities (<)	
La	<1	Fe	290
Ce	2.0	Al	<100
Pr	<1	Si	150
Nd	<1	Ca	430
Sm	1.9	Mg	<100
Eu	<1	C	<100
Gd	<1	O	1100
Tb	<1	W	<200
Dy	<1	Ni	<100
Ho	5.0		
Er	<1		
Tm	<1		
Yb	772.0		
Lu	Matrix		
Y	<1		
TREM	>99.5%		
Tb/TREM	>99.9%		

RE: rare earth
TREM: total rare earth metals

By: _____