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Material Certification Sheet

Product Name:	Terbium Oxide (Tb4O7) Powder
Purity:	TREO >99.5%, Tb4O7/TREO >99.99%
AEM Part No.:	AEMREO-Tb4O7
Lot Number:	AEM2014071601
Date:	2014/7/16

Analysis Type: ICP-MS

REO Impurities (<)		Non-REO Impurities (<)	
La2O3	4.80	L.O.I	0.92%
CeO2	3.10	Fe2O3	5.0
Pr6O11	2.50	SiO2	10.0
Nd2O3	2.20	CaO	5.0
Sm2O3	4.10	MgO	1.0
Eu2O3	4.30	Al2O3	100.0
Gd2O3	1.80	TiO2	17.0
Tb4O7	Matrix	NiO	2.0
Dy2O3	3.60	ZrO2	3.0
Ho2O3	1.20	Na2O	3.0
Er2O3	1.40	V2O5	1.0
Tm2O3	4.00	CuO	2.0
Yb2O3	3.60	Cl ⁻	20.0
Lu2O3	2.80		
Y2O3	4.30		
TREO	>99.5%		
Tb4O7/TREO	>99.99%		

REO: rare earth oxide
TREO: total rare earth oxide

By: _____