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Material Certification Sheet

Product Name:	Dysprosium Oxide (Dy ₂ O ₃) Powder
Purity:	TREO >99.5%, Dy ₂ O ₃ /TREO >99.9%
AEM Part No.:	AEMREO-Dy ₂ O ₃
Lot Number:	AEM2014070903
Date:	2014/7/9

Analysis Type: ICP-MS

REO Impurities (<)		Non-REO Impurities (<)	
La ₂ O ₃	32.0	L.O.I	0.2%
CeO ₂	48.0	Fe ₂ O ₃	25.0
Pr ₆ O ₁₁	45.0	SiO ₂	50.0
Nd ₂ O ₃	18.0	CaO	100.0
Sm ₂ O ₃	26.0	Al ₂ O ₃	/
Eu ₂ O ₃	32.0	Cl ⁻	300.0
Gd ₂ O ₃	36.0		
Tb ₄ O ₇	28.0		
Dy ₂ O ₃	Matrix		
Ho ₂ O ₃	15.0		
Er ₂ O ₃	12.0		
Tm ₂ O ₃	5.0		
Yb ₂ O ₃	5.0		
Lu ₂ O ₃	13.0		
Y ₂ O ₃	36.0		
TREO	>99.5%		
Dy ₂ O ₃ /TREO	>99.9%		

REO: rare earth oxide
TREO: total rare earth oxide

By: _____