

NYC

NIPPON YTTRIUM COMPANY LIMITED

2081-398 OOAZA TOUSEN, OOMUTA-SHI,
FUKUOKA, JAPAN
TEL 0944-53-8546
FAX 0944-53-8547

Jul. 29. 2008

CERTIFICATE OF ANALYSIS

99.9995 % Yttrium oxide

Lot No. 080650

Net Wt. 1000 kg

Analysis

Y2O3 /TREO	..... >	99.9995	%
La2O3	.....	0.3	ppm
CeO2	..... <	0.1	ppm
Pr6O11	.....	0.3	ppm
Nd2O3	.....	0.3	ppm
Sm2O3	.....	0.2	ppm
Eu2O3	..... <	0.1	ppm
Gd2O3	.....	0.3	ppm
Tb4O7	.....	0.5	ppm
Dy2O3	.....	0.9	ppm
Ho2O3	.....	1.1	ppm
Er2O3	.....	0.9	ppm
Tm2O3	.....	1.5	ppm
Yb2O3	.....	0.5	ppm
Lu2O3	..... <	0.1	ppm
Fe2O3	.....	0.4	ppm
CaO	.....	0.4	ppm
NiO	..... <	0.1	ppm
Al2O3	..... <	0.2	ppm
Co3O4 <	0.1	ppm
CuO <	0.1	ppm
MgO <	0.1	ppm
Na2O	1.1	ppm
MnO <	0.1	ppm
SiO2	8.3	ppm


M. Yoshimoto

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CERTIFICATE OF ANALYSIS


99.9995 % Yttrium oxide

Lot No. 080651

Net Wt. 1000 kg

Analysis

Y2O3 /TREO	>	99.9995	%
La2O3		0.4	ppm
CeO2		0.1	ppm
Pr6O11		0.1	ppm
Nd2O3		0.4	ppm
Sm2O3		0.2	ppm
Eu2O3	<	0.1	ppm
Gd2O3		0.3	ppm
Tb4O7		0.4	ppm
Dy2O3		1.4	ppm
Ho2O3		1.1	ppm
Er2O3		0.7	ppm
Tm2O3		1.4	ppm
Yb2O3		0.5	ppm
Lu2O3	<	0.1	ppm
Fe2O3		0.5	ppm
CaO	<	0.2	ppm
NiO	<	0.1	ppm
Al2O3	<	0.2	ppm
Co3O4	<	0.1	ppm
CuO	<	0.1	ppm
MgO	<	0.1	ppm
Na2O		1.0	ppm
MnO	<	0.1	ppm
SiO2		8.3	ppm


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