



## LUTETIUM OXIDE (Lu<sub>2</sub>O<sub>3</sub>) SPECIFICATIONS

SPECIFICATION		ANALYSIS	
REO	≥99%	REO	≥99.5%
Lu <sub>2</sub> O <sub>3</sub> /REO	≥99.995%	Lu <sub>2</sub> O <sub>3</sub> /REO	≥99.995%
Y <sub>2</sub> O <sub>3</sub>	≤2.0ppm	Y <sub>2</sub> O <sub>3</sub>	1.9ppm
La <sub>2</sub> O <sub>3</sub>	≤1.0ppm	La <sub>2</sub> O <sub>3</sub>	<1.0ppm
CeO <sub>2</sub>	≤1.0ppm	CeO <sub>2</sub>	<1.0ppm
Pr <sub>6</sub> O <sub>11</sub>	≤1.0ppm	Pr <sub>6</sub> O <sub>11</sub>	<1.0ppm
Nd <sub>2</sub> O <sub>3</sub>	≤1.0ppm	Nd <sub>2</sub> O <sub>3</sub>	<1.0ppm
Sm <sub>2</sub> O <sub>3</sub>	≤1.0ppm	Sm <sub>2</sub> O <sub>3</sub>	<1.0ppm
Eu <sub>2</sub> O <sub>3</sub>	≤1.0ppm	Eu <sub>2</sub> O <sub>3</sub>	<1.0ppm
Gd <sub>2</sub> O <sub>3</sub>	≤1.0ppm	Gd <sub>2</sub> O <sub>3</sub>	<1.0ppm
Tb <sub>4</sub> O <sub>7</sub>	≤1.0ppm	Tb <sub>4</sub> O <sub>7</sub>	<1.0ppm
Dy <sub>2</sub> O <sub>3</sub>	≤1.0ppm	Dy <sub>2</sub> O <sub>3</sub>	<1.0ppm
Ho <sub>2</sub> O <sub>3</sub>	-	Ho <sub>2</sub> O <sub>3</sub>	<1.0ppm
Er <sub>2</sub> O <sub>3</sub>	≤1.0ppm	Er <sub>2</sub> O <sub>3</sub>	<1.0ppm
Tm <sub>2</sub> O <sub>3</sub>	≤1.0ppm	Tm <sub>2</sub> O <sub>3</sub>	<1.0ppm
Yb <sub>2</sub> O <sub>3</sub>	≤17.0ppm	Yb <sub>2</sub> O <sub>3</sub>	<1.0ppm
L.O.I.	≤1.0%	L.O.I.	0.28%
Cl	≤20.0ppm	Cl	<20.0ppm
S	≤19.0ppm	S	<19.0ppm
Fe	≤2.0ppm	Fe	<1.0ppm
Si	≤12.0ppm	Si	<10.0ppm
Al	≤5.0ppm	Al	4.10ppm
Ca	≤35.0ppm	Ca	8.00ppm
F	≤20.0ppm	F	<20.0ppm
P	≤1.0ppm	P	<1.0ppm
Zn	≤1.0ppm	Zn	<1.0ppm
Ba	≤1.0ppm	Ba	<1.0ppm
B	≤1.0ppm	B	<1.0ppm
V	≤1.0ppm	V	<1.0ppm
Ti	≤2.0ppm	Ti	<2.0ppm

**C&L DEVELOPMENT CORP.**

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## LUTETIUM OXIDE (Lu<sub>2</sub>O<sub>3</sub>) SPECIFICATIONS

SPECS		ANALYSIS	
Ni	≤2.0ppm	Ni	<1.0ppm
K	≤4.0ppm	K	<4.0ppm
Mg	≤1.0ppm	Mg	<1.0ppm
Mn	≤1.0ppm	Mn	<1.0ppm
Na	≤2.0ppm	Na	<2.0ppm
Co	≤1.0ppm	Co	<1.0ppm
Cr	≤1.0ppm	Cr	<1.0ppm
Cu	≤1.0ppm	Cu	<1.0ppm
D50	≤10.0μm	D50	3.99μm