



Certificate of analysis

Reference #: LU2201

Product name	Lutetium (III) Oxide				
Ereztech #	LU2201	CAS#	12032-20-1	Purity	99.999%+
Lot/batch #	160243	Net weight/volume	N/A	Seal #	N/A
CofO	Russia				
Analytical results					
Appearance	White powder				
Basis compound (REO), %			99.9995		
Basis compound (metals basis), %			99.999		
Content of impurities	ppm	Content of impurities	ppm		
Na	0.04	La	< 0.1		
Mg	< 0.01	Ce	< 0.1		
Al	0.08	Pr	< 0.1		
Si	0.9	Nd	< 0.1		
K	0.03	Sm	< 0.1		
Ca	0.8	Eu	< 0.1		
Sc	0.1	Gd	1		
Ti	0.2	Tb	0.2		
V	< 0.01	Dy	< 0.1		
Cr	< 0.01	Ho	0.5		
Mn	< 0.01	Er	< 0.1		
Fe	0.1	Tm	< 0.1		
Ni	< 0.02	Yb	< 0.1		
Cu	< 0.05	Pb	< 0.2		
Zn	< 0.05	Bi	< 0.2		
Ga	< 0.05	Th	< 0.2		
As	< 0.05	U	< 0.2		
Y	0.1	Chlorides	< 300		
Cs	< 0.1	LOI (%)	< 1		
Ba	< 0.1				