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## Certificate of analysis

### Reference #: 035/003

**Manufacturing date** May/30/19

**Analysis date** May/30/19

Product name	<b>Terbium(III) chloride, ultra dry (99.9% - Tb)</b>				
Ereztech #	<b>TB2883</b>	CAS#	<b>10042-88-3</b>	Purity	<b>96.9% (by titration)</b>
Lot/batch #	<b>035/003</b>	Net weight/volume	<b>50 g</b>	Seal #	<b>N/A</b>
Packaging	<b>1 glass ampule</b>	Storage	<b>Hygroscopic. Shelf life 3 year.</b>		
CofO	<b>Russia</b>				

Analytical results				
Appearance	<b>off-white powder</b>			
Titration	<b>%Tb=58.05% (complexometric)</b>			
Purity	<b>96.9%</b>			
ICP	<b>&gt;99.9%</b>			
Impurity weight, %	<b>Gd<sub>2</sub>O<sub>3</sub></b>	<b>0.0072</b>	<b>Cu</b>	<b>&lt;0.005</b>
	<b>Dy<sub>2</sub>O<sub>3</sub></b>	<b>0.0031</b>	<b>Fe</b>	<b>&lt;0.005</b>
	<b>Y<sub>2</sub>O<sub>3</sub></b>	<b>0.001</b>	<b>Si</b>	<b>&lt;0.01</b>
	<b>Ca</b>	<b>&lt;0.005</b>	<b>Cl</b>	<b>0.01</b>