



Certificate of analysis

Reference #: 2020003-019/281

Manufacturing date: **12/28/19**

Analysis date: **12/28/19**

Product name	Ytterbium(III) acetylacetonate hydrate (99.9% - Yb)				
Ereztech #	YB4981	CAS#	14284-98-1	Purity	99.7% by titration
Lot/batch #	019/281	Net weight/volume	500g	Seal #	N/A
Packaging	1 plastic can	Storage			
CofO	Russia				

Analytical results				
Appearance	Off-white powder			
Melting Point	160 oC			
Titration	%Yb = 33.1% (complexometric)			
Purity	99.7 by titration			
ICP	99.9% (metals basis)			
Impurity weight, ppm	Element	ppm	Element	ppm
	Sc	<0.02	Fe	0.03±0.01
	Co	<0.005	Zn	<0.2
	Mn	0.03	Cu	<0.047
	Ni	<0.3	Ti	0.02±0.01
	Cr	0.03±0.01	Bi	<0.001
	V	<0.02	U	<0.001