



## Certificate of analysis

### Reference #: 2019063-015/797

Manufacturing date: **10/03/19**

Analysis date: **10/07/19**

Product name	<b>Tantalum(V) ethoxide, 99 % (99.99+% - Ta)</b>				
Ereztech #	<b>TA4846</b>	CAS#	<b>6074-84-6</b>	Purity	<b>99.5% (by gravimetric analysis)</b>
Lot/batch #	<b>015/797</b>	Net weight/volume	<b>3000g</b>	Seal #	<b>N/A</b>
Packaging	<b>3 glass bottles</b>	Storage	<b>Moisture sensitive. Shelf life 1 year.</b>		
CofO	<b>Russia</b>				

Analytical results					
Appearance	<b>Colorless liquid</b>				
NMR H1	<b>Conforms to structure</b>				
Gravimetric analysis	<b>44.14% - Ta (after ignition to oxide)</b>				
Purity	<b>99.5%</b>				
ICP	<b>&gt;99.99%</b>				
Impurity weight, ppm	<b>AL:</b>	<b>1.3</b>	<b>Fe:</b>	<b>5</b>	
	<b>Co:</b>	<b>&lt;0.1</b>	<b>Si:</b>	<b>10</b>	
	<b>Mn:</b>	<b>&lt;0.1</b>	<b>Mo:</b>	<b>&lt;0.1</b>	
	<b>Ni:</b>	<b>0.1</b>	<b>Ti:</b>	<b>0.5</b>	
	<b>Cr:</b>	<b>0.1</b>	<b>Nb:</b>	<b>2.7</b>	
	<b>W:</b>	<b>&lt;0.1</b>	<b>Ca:</b>	<b>12</b>	
	<b>Sn:</b>	<b>&lt;0.1</b>	<b>Cl:</b>	<b>3</b>	