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## Certificate of analysis

### Reference #: TA9334-015/902

Manufacturing date Aug/26/21

Analysis date Aug/30/21

Product name	<b>Tantalum(V) (tetraethoxy)(acetylacetonate) (99.99+ % - Ta)</b>				
Ereztech #	<b>TA9334</b>	CAS#	<b>20219-33-4</b>	Purity	<b>99.0% (by integration NMR)</b>
Lot/batch #	<b>015/902</b>	Net weight/volume	<b>200 g</b>	Seal #	<b>N/A</b>
Packaging	<b>1 glass ampule</b>	Storage	<b>Moisture sensitive (store a cold). Shelf life 1 year.</b>		
CofO	<b>Russia</b>				

Analytical results				
Appearance	<b>pale yellow crystals</b>			
NMR H1	<b>conforms to structure</b>			
Purity	<b>99.0%</b>			
ICP	<b>99.99+% (total concentration of impurities &lt; 100 ppm)</b>			
Impurity weight, ppm	Al	<b>0.2</b>	Mo	<b>&lt;0.06</b>
	Ca	<b>13.0</b>	Nb	<b>1.3</b>
	Co	<b>&lt;0.03</b>	Ni	<b>&lt;0.06</b>
	Cr	<b>0.3</b>	Sn	<b>&lt;0.06</b>
	Fe	<b>5.0</b>	Si	<b>18.0</b>
	Mg	<b>3.0</b>	Ti	<b>0.2</b>
	Mn	<b>&lt;0.06</b>	W	<b>&lt;0.06</b>