



Certificate of analysis

Reference #: 2019014-031/368

Manufacturing date: **03/12/19**

Analysis date: **03/15/19**

Product name	Pentakis(dimethylamino)tantalum(V), 99%				
Ereztech #	TA4590	CAS#	19824-59-0	Purity	99.5% by gravimetric assay
Lot/batch #	031/368	Net weight/volume	500g	Seal #	N/A
Packaging	1 glass ampule	Storage	Moisture sensitive. Shelf life 1 year.		
CofO	Russia				

Analytical results					
Appearance	Orange cryst. powd.				
NMR H1	Conforms to structure				
Gravimetric assay	44.86% - Ta (after ignition to oxide)				
Purity	99.5%				
ICP					
Impurity weight, ppm	Al	1	Fe	3	
	Co	0.01	Si	5	
	Mn	0.03	Mo	0.03	
	Ni	0.1	Ti	0.4	
	Cr	0.3	Nb	3	
	W	0.07	Ca	27	