



Certificate of analysis

Reference #: 2020012-029/208

Manufacturing date: **Mar/02/2020**

Analysis date: **Mar/04/2020**

Product name	Pentakis(dimethylamino)tantalum(V), 99%				
Ereztech #	TA4590	CAS#	19824-59-0	Purity	99.2% by gravimetric assay
Lot/batch #	029/208	Net weight/volume	500g	Seal #	N/A
Packaging	1 glass bottle	Storage	Moisture sensitive. Shelf life 1 year.		
CofO	Russia				

Analytical results					
Appearance	Yellow-orange cryst. powd.				
NMR H1	Conforms to structure				
Gravimetric assay	44.73% - Ta (after ignition to oxide)				
Purity	99.2%				
ICP					
Impurity weight, ppm	Al	0.5	Fe	5	
	Co	0.03	Si	10	
	Mn	0.1	Mo	<0.06	
	Ni	0.2	Ti	1.2	
	Cr	0.3	Nb	3.8	
	W	0.09	Ca	10	
	Sn	<0.06			