



Certificate of analysis

Reference #: 010/317

Manufacturing date 4/15/2020

Analysis date 4/15/2020

Product name	Tantalum(V) chloride, anhydrous (99.99 % - Ta)				
Product code	TA1019	CAS#	7721-01-9	Purity	99.3% (by titration)
Lot/batch #	010/317	Net Weight/volume	50000g	Country of origin	Russia
Packaging	50 glass bottles	Storage	Moisture sensitive. Shelf life 1 year		

Analytical results				
Appearance	White powder			
Titration by AgNO3	% Cl = 49.13 %			
Purity	99.3%			
ICP	99.99+% (total concentration of impurities < 100 ppm)			
ICP, ppm	Al	1.8	Fe	5
	Co	<0.03	Si	5
	Mn	<0.06	Mo	<0.06
	Ni	0.1	Ti	0.7
	Cr	0.5	Sn	<0.06
	W	<0.06	Ca	13
	Nb	2.1		