



Certificate of analysis

Reference #: 2020018-015/834

Manufacturing date: **Mar/17/2020**

Analysis date: **Mar/19/2020**

Product name	Tantalum(V) ethoxide, 99 % (99.99+% - Ta)				
Ereztech #	TA4846	CAS#	6074-84-6	Purity	99.64% (by integration NMR)
Lot/batch #	015/834	Net weight/volume	3000g	Seal #	N/A
Packaging	2 glass bottles	Storage	Moisture sensitive. Shelf life 1 year.		
CofO	Russia				

Analytical results																													
Appearance	Colorless liquid																												
NMR H1	Conforms to structure																												
Gravimetric analysis	44.14% - Ta (after ignition to oxide)																												
Purity	99.64%																												
ICP	>99.99%																												
Impurity weight, ppm	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">AL:</td> <td style="width: 25%;">1.3</td> <td style="width: 50%;">Fe:</td> <td style="width: 25%;">5</td> </tr> <tr> <td>Co:</td> <td><0.1</td> <td>Si:</td> <td>10</td> </tr> <tr> <td>Mn:</td> <td><0.1</td> <td>Mo:</td> <td><0.1</td> </tr> <tr> <td>Ni:</td> <td>0.1</td> <td>Ti:</td> <td>0.5</td> </tr> <tr> <td>Cr:</td> <td>0.1</td> <td>Nb:</td> <td>2.7</td> </tr> <tr> <td>W:</td> <td><0.1</td> <td>Ca:</td> <td>12</td> </tr> <tr> <td>Sn:</td> <td><0.1</td> <td>Cl:</td> <td>3</td> </tr> </table>	AL:	1.3	Fe:	5	Co:	<0.1	Si:	10	Mn:	<0.1	Mo:	<0.1	Ni:	0.1	Ti:	0.5	Cr:	0.1	Nb:	2.7	W:	<0.1	Ca:	12	Sn:	<0.1	Cl:	3
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