



Certificate of analysis

Reference #: 2019003-003/555

Manufacturing date: **1/17/19**

Analysis date: **1/21/19**

Product name	(t-Butylimido)tris(diethylamino)niobium(V), 98% (99.9 % - Nb)				
Ereztech #	NB3272	CAS#	210363-27-2	Purity	99.7% (by gravimetric assay)
Lot/batch #	003/555	Net weight/volume	1000gm	Seal #	N/A
Packaging	2 glass ampules	Storage	Air, moisture sensitive. Shelf life 1 year.		
CofO	Russia				

Analytical results																	
Appearance	Yellow liquid																
Gravimetric assay	% Nb = 24.35 % (after ignition to oxide)																
NMR H1	Conforms to structure																
ICP	>99.9%																
Impurity weight, ppm	<table style="margin-left: 20px;"> <tr><td>Si:</td><td><25</td></tr> <tr><td>Cu:</td><td><1</td></tr> <tr><td>Mn:</td><td><0.5</td></tr> <tr><td>Cr:</td><td><0.5</td></tr> <tr><td>Co:</td><td><1</td></tr> <tr><td>V:</td><td><2.5</td></tr> <tr><td>Fe:</td><td><2.5</td></tr> <tr><td>Ni:</td><td><3</td></tr> </table>	Si:	<25	Cu:	<1	Mn:	<0.5	Cr:	<0.5	Co:	<1	V:	<2.5	Fe:	<2.5	Ni:	<3
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