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Certificate of analysis

Reference #: RU8670-273204001

Analysis date 19-Sep-2019

Product name	Ruthenium (III) Chloride				
Ereztech #	RU8670	CAS#	14898-67-0	Purity	
Lot/batch #	273204001	Net weight/volume		Seal #	N/A
CofO	USA				

Analytical results																																																													
Ruthenium, Wt%	38.73																																																												
Sodium, Wt% OSB	0.01																																																												
Insolubles, Wt% in 10%HCl OSB	0																																																												
Spectrography	Total Impurities 150																																																												
Impurity weight, ppm	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Ag</td> <td style="width: 33%;">BDL</td> <td style="width: 33%;">Cu</td> <td style="width: 33%;">BDL</td> <td style="width: 33%;">Pt</td> <td style="width: 33%;">BDL</td> </tr> <tr> <td>Al</td> <td>10</td> <td>Fe</td> <td>90</td> <td>Ru</td> <td>Main</td> </tr> <tr> <td>As</td> <td>BDL</td> <td>Ir</td> <td>BDL</td> <td>Rh</td> <td>BDL</td> </tr> <tr> <td>Au</td> <td>BDL</td> <td>Mg</td> <td>BDL</td> <td>Sb</td> <td>NM</td> </tr> <tr> <td>B</td> <td>BDL</td> <td>Mn</td> <td>BDL</td> <td>Si</td> <td>BDL</td> </tr> <tr> <td>Bi</td> <td>BDL</td> <td>Mo</td> <td>BDL</td> <td>Sn</td> <td>BDL</td> </tr> <tr> <td>Ca</td> <td>20</td> <td>Ni</td> <td>BDL</td> <td>Te</td> <td>BDL</td> </tr> <tr> <td>Cd</td> <td>BDL</td> <td>Os</td> <td>BDL</td> <td>Ti</td> <td>10</td> </tr> <tr> <td>Co</td> <td>BDL</td> <td>Pb</td> <td>BDL</td> <td>Zn</td> <td>BDL</td> </tr> <tr> <td>Cr</td> <td>20</td> <td>Pd</td> <td>BDL</td> <td>Zr</td> <td>NM</td> </tr> </table>	Ag	BDL	Cu	BDL	Pt	BDL	Al	10	Fe	90	Ru	Main	As	BDL	Ir	BDL	Rh	BDL	Au	BDL	Mg	BDL	Sb	NM	B	BDL	Mn	BDL	Si	BDL	Bi	BDL	Mo	BDL	Sn	BDL	Ca	20	Ni	BDL	Te	BDL	Cd	BDL	Os	BDL	Ti	10	Co	BDL	Pb	BDL	Zn	BDL	Cr	20	Pd	BDL	Zr	NM
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BDL - Below Detection Limits