



## Certificate of analysis

### Reference #: 2020069–09220

Product name	<b>Europium chloride hexahydrate, 99.9% (EuCl<sub>3</sub> * 6H<sub>2</sub>O)</b>				
Product code	<b>EU9927</b>	CAS#	<b>13759-92-7</b>	Purity	<b>99.9% by Emission Spectroscopy</b>
Lot/batch #	<b>09220</b>	Net Weight/volume	<b>1000g</b>	Country of origin	<b>USA</b>

<b>Analytical results</b>								
Titration	<b>% Eu = 40.93%</b>							
Purity	<b>99.9%</b>							
ICP	<b>99.9% (metals basis)</b>							
Impurity weight, ppm:	<b>Ag</b>	<b>ND</b>	<b>Ce</b>	<b>&lt;2</b>	<b>Mo</b>	<b>ND</b>	<b>Si</b>	<b>&lt;20</b>
	<b>Al</b>	<b>0.58</b>	<b>Co</b>	<b>ND</b>	<b>Na</b>	<b>9</b>	<b>Sm</b>	<b>&lt;20</b>
	<b>As</b>	<b>ND</b>	<b>Cu</b>	<b>ND</b>	<b>Nd</b>	<b>&lt;20</b>	<b>Sn</b>	<b>ND</b>
	<b>Ba</b>	<b>ND</b>	<b>Gd</b>	<b>&lt;20</b>	<b>Ni</b>	<b>ND</b>	<b>Ti</b>	<b>ND</b>
	<b>Be</b>	<b>ND</b>	<b>K</b>	<b>3</b>	<b>Pb</b>	<b>ND</b>	<b>V</b>	<b>ND</b>
	<b>Bi</b>	<b>ND</b>	<b>Li</b>	<b>ND</b>	<b>Pr</b>	<b>&lt;20</b>	<b>Zn</b>	<b>2.55</b>
	<b>Ca</b>	<b>12</b>	<b>Mg</b>	<b>0.29</b>	<b>Sb</b>	<b>ND</b>	<b>Zr</b>	<b>ND</b>
	<b>Cd</b>	<b>ND</b>	<b>Mn</b>	<b>ND</b>	<b>Se</b>	<b>ND</b>		
Analysis date	<b>9/24/2020</b>						<b>% Eu= 40.93% ND = not detected w/ 0.1 ppm limit</b>	