



## Certificate of analysis

**Reference #: LA2456 – lot # 09080**

Product name	<b>Lanthanum(III) chloride hexahydrate (99.9%-La)</b>				
Product code	<b>LA2456</b>	CAS#	<b>17272-45-6</b>	Purity	<b>99.9% (by emission spectroscopy)</b>
Lot/batch #	<b>09080</b>	Net Weight/volume	<b>5000g</b>	Country of origin	<b>USA</b>

<b>Analytical results</b>								
Titration	<b>% La = 40.35%</b>							
Purity	<b>99.9%</b>							
ICP	<b>99.9% (metals basis)</b>							
Impurity weight, ppm:	<b>Ag</b>	<b>ND</b>	<b>Co</b>	<b>ND</b>	<b>Mo</b>	<b>ND</b>	<b>Sr</b>	<b>13.55</b>
	<b>Al</b>	<b>3.46</b>	<b>Cr</b>	<b>ND</b>	<b>Na</b>	<b>118</b>	<b>Ti</b>	<b>ND</b>
	<b>As</b>	<b>&lt; 1</b>	<b>Cu</b>	<b>ND</b>	<b>Ni</b>	<b>ND</b>	<b>V</b>	<b>ND</b>
	<b>Ba</b>	<b>10.1</b>	<b>Fe</b>	<b>6.84</b>	<b>Pb</b>	<b>2.3</b>	<b>Zn</b>	<b>0.6</b>
	<b>Be</b>	<b>ND</b>	<b>K</b>	<b>12.32</b>	<b>Sb</b>	<b>ND</b>	<b>Zr</b>	<b>ND</b>
	<b>Bi</b>	<b>ND</b>	<b>Li</b>	<b>ND</b>	<b>Se</b>	<b>ND</b>	% La = 40.35% ND = not detected w/ 0.1 ppm limit	
	<b>Ca</b>	<b>&lt;10</b>	<b>Mg</b>	<b>28</b>	<b>Si</b>	<b>15.6</b>		
	<b>Cd</b>	<b>ND</b>	<b>Mn</b>	<b>4.43</b>	<b>SN</b>	<b>ND</b>		
Analysis date	<b>9/8/2020</b>							