		he gold nanopa			
Certificate	of Analys	sis			
Product Family	/	Accurate Sp	herical Gold	Nanoparticles	
Product Numb		A11-15-CIT-			
Lot #		SPEC			
Form		Gold Colloid	ł		
Capping Agent	t	Citrate			
Solution		18MEG DI V	Vater		
Source		11H80			
Diameter	nm	measured average	TEM, UVVIS	15	
SPR Abs	OD	measured	UV/VIS	1.2	
PDI	stddev/size		TEM	10%	
SPR Peak	nm	measured	UV/VIS	518	
рН		measured	Orion	7	
Zeta Potential	mV	measured	DLS	-32	
Concentration	nps/mL	calc		1.76E+12	
Wt. conc.	mg/mL	calc		0.06	
ppm		calc		60	
Wt. %	%	calc		0.0060%	
Molarity	uM	calc		2.94E-03	
Molar Ext.	M-1cm-1	calc		4.08E+08	
Citrate	mM	measured		3	
Volume	mL	measured		10	
Date				10/4/2019	
Exp Date				4/1/2020	
Alex Schoen, M					
Quality Control					
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Absorbance					
1.5					
				100.00	
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