		M I N 🦰		$RTz^{\scriptscriptstyleTM}$		
		The gold nanopa				
Certificate	of Analys	ric				
Certificate	Of Arialys) 				
Product Family	,	Gold Nanost	ars			
Product Number		A1S-980-CI7				
Lot #		SPEC				
Form		Gold Colloid				
Capping Agent		Au Stars:Citr				
Solution	•	18 MEG DI v				
Source		1SJ06	Vator			
000.00						
Total Diameter	nm	measured	TEM	160		
Core Diameter		measured	TEM	100		
Spike Length	nm	measured	TEM	60		
SPR Abs	OD	measured	UV/VIS	1		
PDI	stddev/size		TEM	4%		
SPR Peak	nm	measured	UV/VIS	980		
pH		measured	Orion	7		
Zeta Potential	mV	measured	DLS	-35		
Concentration	nps/mL	calc		1.21E+09		
Wt. conc.	mg/mL	calc		0.05		
ppm		calc		50		
Wt. %	%	calc		0.0050%		
Molarity	uM	calc		2.02E-06		
Molar Ext.	M-1cm-1	calc		4.95E+11		
Volume	mL	measured		5		
Date				9/19/2019		
Exp Date				12/18/2019		
Alex Schoen, N	/lanager Qua	lity Control				
						My con
Absorbance @	1mL				- W	No. of the last
1.25			$\neg \mid \neg \mid$		S. A.	
1				1	The same	
		•				
0.75 OD (1cm)		•	7	The state of the s		
0.5			_			
0 00 0				AND THE REAL PROPERTY AND THE PROPERTY A	The same of the sa	
0.25						
0						
400	600 80	00 1000				
		gth (nm)		e lik	THE LAST	