		N o P			
		d nanoparticle for r	anotechnolog	9Y	
Certificate of	Analysis				
Product Family		Nanopartz G		ngles	
Product Number		A1T-625-CIT	-DIH-1-5		
Lot # Form		SPEC Gold Colloid			
Capping Agent		Citrate			
Solution		18MEG DI W	/ater		
Source		1TN08			
Cource		111100			
SPR Peak	nm	measured	UV/VIS	625	
SPR Abs	OD	measured	UV/VIS	1	
pH		measured	Expt.	7	
Zeta Potential	mV	measured	DLS	-32	
Edge	nm	measured	TEM	115	
Thickness	nm	measured	TEM	40	
Concentration	nps/mL	calc		1.1E+10	
Wt. conc.	mg/mL	calc		0.050	
Concentration	ppm	calc		50	
Wt %	%	calc		0.0050%	
Molarity	nM	calc		0.019	
Molar Ext.	M-1cm-1	calc		5.3E+10	
Citrate	mM	measured		5	
Volume	mL	measured		5	
Date				10/3/2023	
Exp Date				1/1/2024	
Chris Sievers, Ma	nager Quality (Control			
			1 x A 1 **		
Absorbance		*	A CONT		
1.25	1 1		1333		
			KAN A	AF AF	
1.00					
	Λ		12:55		
0.75					
(F) 9 0.50			A.T.Y.		A YAA
8 0.50		+1		12 ALEA	2 this
			Y		1000
0.25					No.
0.00				12XC	Prove and
0.00 <u>400</u> 6	00 800 1	1000		- STA	
-00 (8-3.jpg 0.001295 µm/pix :06 PM 5/10/2023		70 nm w=100.0kV Lrect Mag: 49000x -10.01352 X: -97.789928 XT Camera System