	3710	l nanoparticle for				
Certificate of	f Analysis					
Product Family		Nanopartz C	old Nanowi	res		
Product Number	ct Number		A14-3000-CTAB-DIH-1-5			
Lot #		14Y27-1186				
Form		Gold Colloid				
Capping Agent		CTAB				
Solution		18MEG DI V	Vater			
Source		14Y27				
SPR Peak	nm	measured	UV/VIS	508		
SPR Abs	OD	measured	UV/VIS	0.08		
рН		measured	Expt.	7		
Zeta Potential	mV	measured	DLS	35		
Diameter	nm	measured	TEM	75		
Length	nm	measured	TEM	3000		
Aspect Ratio		calc		40.0		
Concentration	nps/mL	calc		3.2E+08		
Wt. conc.	mg/mL	calc		0.080		
Concentration	ppm	calc		80		
Wt %	%	calc		0.0080%		
Molarity	nM	calc		5.26E-04		
Molar Ext. CTAB	M-1cm-1	calc		1.5E+11		
Volume	mM mL	measured measured		50		
Volume	1111	measured		3		
Date				1/18/2024		
Exp Date				7/16/2024		
Alex Schoen, Ma	nager					
Quality Control						
A.I			/		3	
Absorbance			/,	, 4V/V		
80.0						
0.06				~ //		
<u>B</u> 0.04						
0.04						
0.02			18			
				1900 (0.00)		
400 60	00 800 1000		/	THE RESERVE		
700 00		\	MAL	2000		
	Wavelength (nm)	1472) - 396 	705 µm/pix 4/16/2018	500 mm HWML00.skv Direct Heg: 25000x		