	The gold	l nanoparticle for	nanotechnolo	ogy	
Certificate of	Analysis				
Product Family		Nanopartz G	old Nanowi	res	
Product Number		A14-6000-CTAB-DIH-1-5			
_ot #		14N76-12555			
Form		Gold Colloid			
Capping Agent		CTAB			
Solution		18MEG DI V	Vater		
Source		F3279			
SPR Peak	nm	measured	UV/VIS	522	
SPR Abs	OD	measured	UV/VIS	0.07	
pН		measured	Expt.	7	
Zeta Potential	mV	measured	DLS	35	
Diameter	nm	measured	TEM	75	
Length	nm	measured	TEM	6000	
Aspect Ratio		calc		80.0	
Concentration	nps/mL	calc		1.4E+08	
Wt. conc.	mg/mL	calc		0.070	
Concentration	ppm	calc		70	
Wt %	%	calc		0.0070%	
Molarity Molar Ext.	nM M-1cm-1	calc		2.29E-04 3.1E+11	
CTAB	mM	measured		25	
Volume	mL	measured		5	
Volume	- IIIL	measurea			
Date				1/18/2024	
Exp Date				7/16/2024	
Alex Schoen, Mar	nager				
Quality Control	liagoi				
Absorbance		- A-			/
0.08					
		dish		1/	
0.06					
Ē 0.04					
0.04 (1cm)			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
0.02		T T			
0.02			9		
400 60	00 800 1000)			
100 00		F32* Ca1	79-2.jpg : 0.002621 um/pix	500 HV-	
	Wavelength (nm)	1:55	1:44 p 03/23/15	HV= Dir	80.0kV ect Mag: 5200x lips CM100