		A IN 🥯	PAR	ί 🛛 Ζ —	
			rticle for nanotechn		
	1			lology	
Certificate	of Analys	is			
Product Family		Accurate Sph	nerical Gold Nan	onarticles	
Product Number		A11-100-CIT-DIH-1-25		oparticles	
Lot #		11M541-13744			
Form		Gold Colloid			
Capping Agent		Citrate			
Solution		18MEG DI W	ater		
Source		11H131			
Diameter	nm	measured average	TEM, DLS, UVVIS	100	
SPR Abs	OD	measured	UV/VIS	1.1	
PDI	stddev/size	measured	TEM	3%	
SPR Peak	nm	measured	UV/VIS	567	
рН		measured	Orion	7	
Zeta Potential	mV	measured	DLS	-35	
Concentration	nps/mL	calc		5.46E+09	
Wt. conc.	mg/mL	calc		0.06	
ppm	0/	calc		55	
Wt. %	%	calc		0.0055% 9.10E-06	
Molarity Molar Ext.	uM M-1cm-1	calc calc		9.10E-06	
Citrate	mM	measured		3	
Volume	mL	measured		25	
Volumo		modourou			
Date				1/11/2024	
Exp Date				7/9/2024	
Alex Schoen, M					
Quality Control					
Absorbance (OD)				TYTYTY	
1.25	T	I		I YYYY	y dy dy dy
1.00					
1.00	Λ			C YYYY	
0.75				ITTY	
(Jeg 0.50				CINYA	
0.50					
0.25					
				THE A	
0.00	600 80	0 1000			
400	000 80	0 1000		rand h	
	Wavelengt	(pm)	11H131-1.jpg Cal: 0.647415 nm/pix 12:40:00 PM 5/11/2018	100 m NV=10 Direc	