		A	D 4	TM	
	-N	A N 🧯	PA	RTz^{m}	
			article for nanote		
		le gold flaffop	article for flatford	ecimology	
Certificate	of Analys	sis			
Product Family		Accurate Sp	herical Gold I	Vanoparticles	
Product Number			IT-DIH-1-10		
Lot #		SPEC			
Form			old Nanoparti	cles	
Capping Agent		Citrate			
Solution		18MEG DI Water			
Source		11Y173			
Diameter	nm	measured	Dark Field	1000	
SPR Abs	OD	measured	UV/VIS	0.07	
PDI	stddev/size		Dark Field	10%	
SPR Peak	nm	measured	UV/VIS	615	
pН		measured	Orion	7	
Zeta Potential	mV	measured	DLS	-38	
Concentration	nps/mL	calc		3.47E+06	
Wt. conc.	mg/mL	calc		0.07	
ppm		calc		70	
Wt. %	%	calc		0.0070%	
Molarity	uM	calc		5.79E-09	
Molar Ext. Citrate	M-1cm-1 mM	calc measured		1.21E+13 5	
Volume	mL	measured		10	
Volume	11111	ilicasurca		10	
Date				10/4/2019	
Exp Date				4/1/2020	
Alex Schoen, Manager				Absorbance (OD)	
Quality Control			0.0		
		**	0.0 (j. 0.0		
Carrie a			OD (1cm)		
			8 0		
				400 400 600 .	100 800 000 1000
		1	Wavelength (nm)		
		993	<u> </u>		
	18.00			A	
	September 1				1 1 1 2 2 2 3
				1.00	1000
			***	A 17 3 44 1	
	Carriero P			A Section	11.7 . 4. 3
THE PARTY OF STREET	100 A.		1	29 ·	Sec. 15. 15. 15.
7 (3.5)	100 m	The state of		4-1-10-1	
195.jpg : 0.021878 µm/pix 9:04 PM 9/7/2018	10 µ1	00.0kV ot Mag: 2900x	-	1 . 10 %	5um