				TM	
	-N	ΔΝ 🥥	PA	$RTz^{m}$	
	Т	he gold nanopa	irticle for nanot	echnology	
Certificate	of Analys	sis			
Cortinoato					
Draduat Camily		Assurate Col	hariaal Cald I	Nanapartialaa	
				Nanoparticles	
Lot #	<b>∌</b> I	A11-65-CIT- SPEC	DIH- 1-25		
Form		Gold Colloid			
Capping Agent		Citrate			
Solution		18 MEG DI v	water		
Source		SPC349	vater		
Oddicc		01 0040			
		measured	TEM, DLS,		
Diameter	nm	average	UVVIS	65	
SPR Abs	OD	measured	UV/VIS	1.1	
PDI	stddev/size		TEM	4%	
SPR Peak	nm	measured	UV/VIS	537	
рН		measured	Orion	7	
Zeta Potential	mV	measured	DLS	-32	
Concentration	nps/mL	calc		1.99E+10	
Wt. conc.	mg/mL	calc		0.06	
ppm		calc		55	
Wt. %	%	calc		0.0055%	
Molarity	uM	calc		3.31E-05	
Molar Ext.	M-1cm-1	calc		3.32E+10	
Citrate	mM	measured		5	
Volume	mL	measured		25	
Date				10/4/2019	
Exp Date				4/1/2020	
Alex Schoen, M	langgar Oua	lity Control			
Alex Scriberi, iv	lanayer Qua	iity Control			
Λ la a a ul				9-15	253
Absorbance				2 4200	1430 305
1.25			~	2002000	9000000
_	$\Lambda$			325	1
1	71			20000	20000
€ 0.75	41			120 000	52.000
E 0.73	/ N				-622-621
0.75 0.5	_			Pag. 22-00	
jo	1		5	A20.20	-62 -02.12
0.25	$\overline{}$			35 229	20 000
				35 25 25	002 038 207
0 L 400	600 80	00 1000		325	54.25°E25
ДПП	000 80	00 1000		450	70 757
100					