	<b>.</b>	A		TM	
	—N.	ΔΝ	PA	$RTz^{\scriptscriptstyleTM}$	
	Т	he gold nanopa	article for nanote	chnology	
Certificate	of Analys	ie			
Certificate	OI Allalys	010			
Due do et Femello		A	h a si a al O al al N	la a a a a a ati al a a	
Product Family Product Number			herical Gold N	ianoparticles	
		A11-40-CIT-	DIH-1-10		
Lot #		SPEC			
Form		Gold Colloid			
Capping Agent		Citrate	- 1		
Solution		18MEG DI water			
Source		11H104			
D. /		measured	TEM, DLS,	10	
Diameter	nm	average	UVVIS	40	
SPR Abs	OD	measured	UV/VIS	1.1	
PDI	stddev/size	measured	TEM	5%	
SPR Peak	nm	measured	UV/VIS	527	
рН		measured	Orion	7	
Zeta Potential	mV	measured	DLS	-36	
Concentration	nps/mL	calc		8.53E+10	
Wt. conc.	mg/mL	calc		0.06	
ppm	J	calc		55	
Wt. %	%	calc		0.0055%	
Molarity	uM	calc		1.42E-04	
Molar Ext.	M-1cm-1	calc		7.74E+09	
Citrate	mM	measured		5	
Volume	mL	measured		10	
Date				40/4/0040	
Date				10/4/2019	
Exp Date				4/1/2020	
Alex Schoen, N	⊥ ∕lanager Qua	lity Control			
7 0					
Absorbance			h		
			0.000		
1.25					
1	<u> </u>				
	$\Lambda$		1.7.		
(E) 0.75	<del>//                                    </del>				
0.75 0.5			. 3-	and the second	
	N .		\$		
0.25					
0 _				w	
400	600 8	00 1000		All Control	
	Wavelen	igth (nm)	11H104.jp Cal: 0.00	g 2115 ym/pix Am 8/4/2017	50 nm NV=80.0kV Direct Mag: 80000x