				R⊺z™	
	Т	he gold nanop	article for nanot	echnology	
Certificate	of Analys	is			
Continouto					
Droduct Family		Acourata Sr	hariaal Cald I	Vananartialaa	
Product Family Product Number		Accurate Spherical Gold A11-55-CIT-DIH-1-25		vanoparticles	
Lot #		11M545-13646			
Form		Gold Colloid			
Capping Agent		Citrate			
Solution		18 MEG DI water			
Source		11H151			
Diameter	nm	measured average	TEM, DLS, UVVIS	55	
SPR Abs	OD	measured	UV/VIS	1.1	
PDI	stddev/size	measured	TEM	6%	
SPR Peak	nm	measured	UV/VIS	532	
pН		measured	Orion	7	
Zeta Potential	mV	measured	DLS	-35	
Concentration	nps/mL	calc		3.28E+10	
Wt. conc.	mg/mL	calc		0.06	
ppm		calc		55	
Wt. %	%	calc		0.0055%	
Molarity	uM	calc		5.47E-05	
Molar Ext.	M-1cm-1	calc		2.01E+10	
Citrate	mM	measured		5	
Volume	mL	measured		25	
Date				1/11/2024	
Exp Date				7/9/2024	
Exp Dute				110/2024	
Alex Schoen, M	lanager Qua	lity Control			
Absorbance					
1.25					
1				25.555.566	
0.75 0.5			3		
0.5			_		
			2		and a state with
0.25					
0					
400		0 1000			
Wavelength (nm)				1 X 2 X 1 1 X 1 4	ALT TO SEE IN SPACE