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	Г	he gold nanop	article for nanote	echnology		
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Certificate	of Analys	IS				
Product Family		Accurate Spherical Gold		Vanoparticles		
Product Number		A11-50-CIT-DIH-1-25				
Lot #		11H144-137	750			
Form		Gold Colloid				
Capping Agent		Citrate				
Solution		18MEG DI Water				
Source		11H144				
Diameter	nm	measured average	TEM, DLS, UVVIS	50		
SPR Abs	OD	measured	UV/VIS	1.1		
PDI	stddev/size	measured	TEM	7%		
SPR Peak	nm	measured	UV/VIS	531		
pН		measured	Orion	7		
Zeta Potential	mV	measured	DLS	-32		
Concentration	nps/mL	calc		4.37E+10		
Wt. conc.	mg/mL	calc		0.06		
ppm		calc		55		
Wt. %	%	calc		0.0055%		
Molarity	uM	calc		7.28E-05		
Molar Ext.	M-1cm-1	calc		1.51E+10		
Citrate	mM	measured		5		
Volume	mL	measured		25		
Data				1/11/2024		
Date Exp. Data				7/9/2024		
Exp Date				119/2024		
Alex Schoen, M	lanager Qua	lity Control				
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Absorbance			S			<b>45.</b>
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