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Certificate o	f Analysis				
Product Family		Nanopartz G	old Nanorod	ls	
Product Number		A12-50-808-CTAB-DIH-1-25			
Lot #		12L491-12909			
Form		Gold Colloid			
Capping Agent		CTAB			
Solution		18MEG DI W	/ater		
Source		12H211			
			10/0/10	0.10	
SPR Peak	nm	measured	UV/VIS	812	
SPR Abs	OD	measured	UV/VIS	1.2	
LSPR Peak LSPR Abs	nm	measured	UV/VIS	521	
	OD	measured	UV/VIS	0.6	
pH Zeta Potential	mV	measured measured	Expt. DLS	35	
Diameter	nm	measured	DLS	50	
Length	nm	measured	DLS	150	
Aspect Ratio	11111	calc	DEG	3.0	
Concentration	nps/mL	calc		1.2E+10	
Wt. conc.	mg/mL	calc		0.060	
Concentration	ppm	calc		60	
Wt %	%	calc		0.0060%	
Molarity	nM	calc		0.020	
Molar Ext.	M-1cm-1	calc		6.1E+10	
CTAB	mM	measured		5	
Volume	mL	measured		25	
Date				9/15/2023	
Exp Date				3/13/2024	
Alex Schoen, Ma	nager Quality C	ontrol			
·					
Absorbance (OD)					2.30
-					E.C.
1.25				庆子二人	
1.00	 	+		SSE	315
	/ \				
Q 0.75	 		8		35
0.50	+++		13		3
	$\backslash \backslash / \backslash \backslash$				
0.25			34	XONO -	
0.00					
0.00	600 800	1000	330	30	
	Wavelength (nm)		43		