	INAI	N 🕘 P.	AK		
	The gold	I nanoparticle for I	nanotechnolog	ду	
Certificate of	f Analysis				
Product Family		Nanopartz G	old Nanorod	ls	
Product Number		A12-10-950-CTAB-DIH-1-25		-25	
Lot #		12G76-1066			
Form		Gold Colloid			
Capping Agent		CTAB			
Solution		18MEG DI W	Vater		
Source		12G76			
SPR Peak	nm	measured	UV/VIS	958	
SPR Abs	OD	measured	UV/VIS	1.1	
LSPR Peak	nm	measured	UV/VIS	509	
LSPR Abs	OD	measured	UV/VIS	0.4	
рН		measured	Expt.	6	
Zeta Potential	mV	measured	DLS	35	
Diameter	nm	measured	TEM	10	
Length	nm	measured	TEM	55	
Aspect Ratio		calc		5.5	
Concentration	nps/mL	calc		4.9E+11	
Wt. conc.	mg/mL	calc		0.039	
Concentration	ppm	calc		38.5	
Wt %	%	calc		0.0039%	
Molarity	nM	calc		0.82	
Molar Ext. CTAB	M-1cm-1	calc		1.3E+09	
Volume	mM mL	measured measured		3 25	
Volume		measureu		23	
Date				7/8/2023	
Exp Date				1/4/2024	
Alex Schoen, Mar	nager Quality C	ontrol			
Absorbance					
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			56.tif	COULDE	1 Same por 2
	Wavelength (nm)	9 ris 3: 21	74.51f at Hing: 72700x 0 7.0 im 1:27 PM 7/29/2016	500 mm HV=100.0k Direct Mm AMT Camer	9 g: 49000x a System