	NAI	N P	'AK	1 Z	
	The gold	d nanoparticle fo	r nanotechno	logy	
Certificate of	Analysis				
Product Family		Nanopartz	Gold Nanor	ods	
Product Number		A12-40-750-CTAB-DIH-1-25			
Lot #		12L511A-13258			
Form		Gold Colloi	d		
Capping Agent		CTAB			
Solution		18MEG DI	Water		
Source		12H135			
SPR Peak	nm	measured	UV/VIS	745	
SPR Abs	OD	measured	UV/VIS	1.1	
LSPR Peak	nm	measured	UV/VIS	515	
LSPR Abs	OD	measured	UV/VIS	0.4	
pH		measured	Expt.	7	
Zeta Potential	mV	measured	DLS	35	
Diameter	nm	measured	TEM	40	
Length	nm	measured	TEM	112	
Aspect Ratio		calc		2.8	
Concentration	nps/mL	calc		2.3E+10	
Wt. conc.	mg/mL	calc		0.055	
Concentration Wt %	ppm %	calc		0.0055%	
Molarity	nM	calc		0.038	
Molar Ext.	M-1cm-1	calc		2.9E+10	
CTAB	mM	measured		2	
Volume	mL	measured		25	
Date				9/15/2023	
Exp Date				3/13/2024	
Alex Schoen, Mar	nager				
Quality Control	lagei				
Absorbance (OD)			1-11-	5 11 17	
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Wavelength (nm)			2M135C1.jpg ml: 0.003430 µm/pix 1:06:46 AM 8/4/2017	500 nm xv=85.0kt	19: 18500x
				ANT Cames	ra System