	The gold	d nanoparticle fo	r nanotechnolo	gy	
Certificate of	Analysis				
Product Family		Nanopartz	Gold Nanowi	res	
Product Number		A14-150-40000-CTAB-DIH-1-5			
Lot#		14Y29-705	14Y29-7053		
Appearance		Slight off white color			
Form		White precipitate colloid			
Capping Agent		CTAB			
Solution		18MEG DI	Water		
pН		measured	Expt.	7	
Zeta Potential	mV	measured	DLS	35	
Diameter	nm	measured	Dark Field	150	
Length	nm	measured	Dark Field	40000	
Aspect Ratio		calc		266.7	
Concentration Wt. conc.	nps/mL	calc		3.7E+06	
Concentration	mg/mL	calc		0.050	
Wt %	ppm %	calc		0.0050%	
Molarity	nM	calc		6.13E-06	
Molar Ext.	M-1cm-1	calc		1.63E+12	
CTAB	mM	measured		50	
Volume	mL	measured		5	
Date				8/28/2019	
Exp Date				2/24/2020	
Alex Schoen, Mar	nager				
Quality Control					
Absorbance			T 1	11/1	N.T.Y
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