	NAI	N o P	AK	Z		
		d nanoparticle for r				
Certificate of	Analysis					
	Analysis					
Product Family		Nanopartz G				
Product Number		A12-40-700-CTAB-DIH		-25		
Lot #		12M566-132	58			
Form		Gold Colloid				
Capping Agent			latar			
Solution		18MEG DI W	later			
Source		12G48				
SPR Peak	nm	measured	UV/VIS	706		
SPR Abs	OD	measured	UV/VIS	1.1		
LSPR Peak	nm	measured	UV/VIS	517		
LSPR Abs	OD	measured	UV/VIS	0.5		
pH		measured	Expt.	7		
Zeta Potential	mV	measured	DLS	35		
Diameter	nm	measured	TEM	40		
Length	nm	measured	TEM	92		
Aspect Ratio		calc		2.3		
Concentration	nps/mL	calc		2.9E+10		
Wt. conc.	mg/mL	calc		0.055		
Concentration	ppm	calc		55		
Wt %	%	calc		0.0055%		
Molarity	nM	calc		0.05		
Molar Ext.	M-1cm-1	calc		2.3E+10		
СТАВ	mM	measured		3		
Volume	mL	measure		25		
Data				0/45/0000		
Date				9/15/2023		
Exp Date				3/13/2024		
Alex Schoen, Mar	hader					
Quality Control	lager					
Guanty Control						
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Absorbance						
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0.25						
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0.00 400 60	00 800 10	00				
400 00	JU 000 TU	12G48-1.jp Cal: 0.6680	9 03 nm∕pix	100 nm		
	Wavelength (nm)	1:19:01 p 0		HV=80.0kV Direct Mag: 21000		