		V⊕P			
	The gold	d nanoparticle for	nanotechnolog	У	
Certificate of	Analysis				
Product Family		Nanopartz (Gold Nanorod	s	
Product Number		A12-10-808-CTAB-DIH-1-25			
Lot#		12M560-130	004		
Form		Gold Nanor	Gold Nanorods		
Capping Agent		CTAB			
Solution		18MEG DI V	Vater		
Source		12G97			
ODD Deeds			11) (0 (10	000	
SPR Peak	nm	measured	UV/VIS	800	
SPR Abs	OD	measured	UV/VIS	1.1	
LSPR Peak	nm	measured	UV/VIS	510	
LSPR Abs	OD	measured	UV/VIS	0.25	
pH	m\/	measured	Expt.	7	
Zeta Potential Diameter	mV	measured	DLS TEM	34 10	
	nm	measured	TEM	41	
Length Aspect Ratio	nm	measured calc	I EIVI	4.1	
Concentration	nps/mL	calc		6.8E+11	
Wt. conc.	mg/mL	calc		0.039	
Concentration	ppm	calc		39	
Wt %	%	calc		0.0039%	
Molarity	nM	calc		1.126	
Molar Ext.	M-1cm-1	calc		9.8E+08	
CTAB	mM	measured		3	
Volume	mL	measured		25	
Date				7/8/2023	
Exp Date				1/4/2024	
Alex Schoen, Mar	nager Quality C	ontrol			
AICX OCHOCH, Wal	lager Quality O	Ontro			
Absorbance					
1.25					
				新发展 。	
1	 			X) Fra	治食(学)
0.75	 	 			
] .)					
0.25	 				
0					
0.25					
-0.25 400 6	00 800 10	000			
	Wavelength (nm)		2097.tif rint Mag: 72700x @ 7.0 in 48:40 PM 7/29/2016	500 ER	
	wavelength (iiii)	i	:40:40 PH 7/29/2016	HV=100. Direct	okv Mag: 49000x mera System