		A IN 🧯	PA	$RTz^{m}$		
		ne gold nanop	particle for nano	technology		
Certificate	of Analys	sis				
Product Family		Accurate C	phorical Cold	Nanoparticles		
Product Number		A11-35-CIT		Narioparticles		
Lot #		11Y201-13398				
Form		Gold Colloid				
Capping Agent		Citrate				
Solution		18MEG DI Water				
Source		11Y201				
Diameter	nm	measured	TEM,	35		
		average	UVVIS			
SPR Abs	OD	measured	UV/VIS	1.2		
PDI	stddev/size		TEM	9%		
SPR Peak	nm	measured	UV/VIS	525		
pH		measured	Orion	7		
Zeta Potential	mV	measured	DLS	-37		
Concentration	nps/mL	calc		1.39E+11		
Wt. conc.	mg/mL	calc		0.06		
ppm	%	calc		60		
Wt. % Molarity	uM	calc		0.0060% 2.31E-04		
Molar Ext.	M-1cm-1	calc		5.18E+09		
Citrate	mM	measured		5.162109		
Volume	mL	measured		25		
Volumo	11110	mododrod		20		
Date				1/11/2024		
Exp Date				7/9/2024		
Alex Schoen, M	lanager					
<b>Quality Control</b>						
Absorbance						
					more to	
1.25			of the second			
1 -				the design		
<sub>ਵ</sub> 0.75			1033	-		
0.75			76	1.6		
_				W 16 1		
0.25			130		A PARTY OF	
0	600 00	0 1000		Mark and		
400	600 80	0 1000	44	1000		
	Waveleng	yth (nm)	11850-1.jpg cal: 0.002115 2.09:10 PM 1/2	ym/pix 12/2018	500 nm KW-108-03-W Direct Mag: 30000x Ahf Chencra System	