Certificate of	Analysis				
Product Family		Organic Go	ld Nanorodz		
Product Number		Organic Gold Nanorodz E12-10-808-NPO-CHL-100-0.25			
Lot #		J7152		00-0.23	
Form		Gold Colloi	d		
Functionalization		Nanopartz Organic Polymer			
Matrix		CHL	ergenne i erji		
Source		12G97			
SPR Peak	nm	measured	UV/VIS	812	
SPR Abs	OD	measured	UV/VIS	480	
LSPR Peak	nm	measured	UV/VIS	511	
LSPR Abs	OD	measured	UV/VIS	100	
pH		measured	Expt.	n/a	
Zeta Potential	mV	measured	DLS	n/a	
Diameter	nm	measured	TEM	10	
Length	nm	measured	TEM	41	
Aspect Ratio		calc		4.1	
Concentration	nps/mL	calc		2.9E+14	
Wt. conc.	mg/mL	calc		16.80	
Concentration	ppm	calc		16800	
Wt %	%	calc		1.68%	
Molarity	nM	calc		491.161	
Molar Ext.	M-1cm-1	calc		9.8E+08	
Volume	mL	measured		0.25	
Date				5/13/2020	
Exp Date				8/11/2020	
Alex Schoen, Mar	nager Quality (	Control			
			1215-1110-0-0-122		
Absorbance					
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