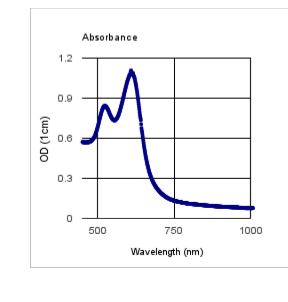
$NAN \bigcirc PARTz^{TM}$

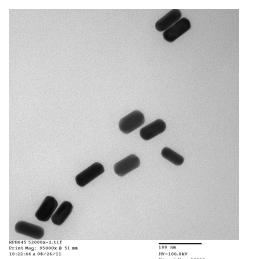
The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family Product Number Lot # Form Capping Agent Solution	oduct Number t # rm pping Agent		Nanopartz Gold Nanorodz A12-25-600-CTAB RPB045D Gold Colloid CTAB 18MEG DI Water		
SPR Peak	nm	measured	UV/VIS	605	
SPR Abs	OD	measured	UV/VIS	1.1	
LSPR Peak	nm	measured	UV/VIS	518	
LSPR Abs	OD	measured	UV/VIS	0.3	
рН		measured	Expt.	6	
Zeta Potential	mV	measured	DLS	30	
Diameter	nm	measured	TEM	25	
Length	nm	measured	TEM	57	
Aspect Ratio		calc		2.3	
Concentration	nps/mL	calc		1.2E+11	
Concentration	mg/mL	calc		0.055	
СТАВ	mM	measured		3	
Date				1/4/2017	
Exp Date				7/3/2017	

Alex Schoen, Manager Quality Control





100 nm HV=100.0kV Direct Mag: 52000x