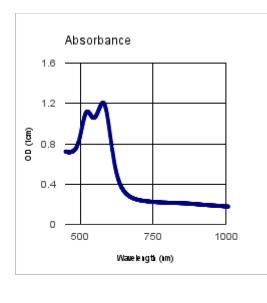
$NAN = PAR^{T}z^{T}$

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family Product Number Lot # Form Capping Agent Solution	duct Number # m oping Agent		Nanopartz Gold Nanorodz A12-25-550-CTAB E2973D Gold Colloid CTAB 18 MEG DI Water		
SPR Peak	nm	measured	UV/VIS	570	
SPR Abs	OD	measured	UV/VIS	1.2	
LSPR Peak	nm	measured	UV/VIS	525	
LSPR Abs	OD	measured	UV/VIS	1.1	
рН		measured	Expt.	6	
Zeta Potential	mV	measured	DLS	38	
Diameter	nm	measured	TEM	25	
Length	nm	measured	TEM	40	
Aspect Ratio		calc		1.6	
Concentration	nps/mL	calc		6.2E+11	
Concentration	mg/mL	calc		0.20	
CTAB	mM	measured		3	
Date				1/4/2017	
Exp Date				7/3/2017	

Alex Schoen, Manager Quality Control





100 nm HV=80.0kV Direct Mag: 52000x