

# NANOPARTZ™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family Nanopartz Gold Nanorod  
Product Number A12-25-950-CTAB  
Lot # 12G120  
Form Gold Colloid  
Capping Agent CTAB  
Solution 18MEG DI Water

SPR Peak	nm	measured	UV/VIS	950
SPR Abs	OD	measured	UV/VIS	1.1
LSPR Peak	nm	measured	UV/VIS	504
LSPR Abs	OD	measured	UV/VIS	0.2
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	35
Diameter	nm	measured	TEM	25
Length	nm	measured	TEM	102
Aspect Ratio		calc		4.1
Concentration	nps/mL	calc		5.3E+10
Concentration	mg/mL	calc		0.055
CTAB	mM	measured		5

Date 1/4/2017  
Exp Date 7/3/2017

Alex Schoen, Manager Quality Control

