

# NANOPARTZ™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Nanopartz Gold Nanorodz
Product Number	A12-50-600-CTAB
Lot #	RPB085D
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	645
SPR Abs	OD	measured	UV/VIS	1
LSPR Peak	nm	measured	UV/VIS	538
LSPR Abs	OD	measured	UV/VIS	0.9
pH		measured	Expt.	6
Zeta Potential	mV	measured	DLS	40
Diameter	nm	measured	TEM	50
Length	nm	measured	TEM	100
Aspect Ratio		calc		2.0
Concentration	nps/mL	calc		1.6E+10
Concentration	mg/mL	calc		0.050
CTAB	mM	measured		4

Date	1/6/2017
Exp Date	7/5/2017

Alex Schoen, Manager Quality Control

