

# NANOPARTZ™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-10-980-CTAB
Lot #	12G145
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	974
SPR Abs	OD	measured	UV/VIS	1.2
LSPR Peak	nm	measured	UV/VIS	513
LSPR Abs	OD	measured	UV/VIS	0.2
pH		measured	Expt.	4
Zeta Potential	mV	measured	DLS	20
Diameter	nm	measured	TEM	10
Length	nm	measured	TEM	58
Aspect Ratio		calc		5.8
Concentration	nps/mL	calc		5.1E+11
Concentration	mg/mL	calc		0.042
CTAB	mM	measured		5

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

Alex Schoen, Manager  
Quality Control

