

# NANOPARTZ™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-10-750-CTAB
Lot #	12G88
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	750
SPR Abs	OD	measured	UV/VIS	1.2
LSPR Peak	nm	measured	UV/VIS	511
LSPR Abs	OD	measured	UV/VIS	0.4
pH		measured	Expt.	5
Zeta Potential	mV	measured	DLS	40
Diameter	nm	measured	TEM	10
Length	nm	measured	TEM	35
Aspect Ratio		calc		3.5
Concentration	nps/mL	calc		8.9E+11
Concentration	mg/mL	calc		0.042
Concentration	ppm	calc		42
CTAB	mM	measured		4

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

Alex Schoen, Manager  
Quality Control

