

# NANOPARTZ™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-40-750-CTAB
Lot #	12G132
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	523
LSPR Abs	OD	measured	UV/VIS	0.6
pH		measured	Expt.	4
Zeta Potential	mV	measured	DLS	44
Diameter	nm	measured	TEM	40
Length	nm	measured	TEM	114
Aspect Ratio		calc		2.9
Concentration	nps/mL	calc		2.5E+10
Concentration	mg/mL	calc		0.060
CTAB	mM	measured		3

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

Alex Schoen, Manager  
Quality Control

