

# NANOPARTz™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-10-1064-CTAB
Lot #	RPB138D
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	1064
SPR Abs	OD	measured	UV/VIS	1
LSPR Peak	nm	measured	UV/VIS	508
LSPR Abs	OD	measured	UV/VIS	0.15
pH		measured	Expt.	6
Zeta Potential	mV	measured	DLS	44
Diameter	nm	measured	TEM	10
Length	nm	measured	TEM	67
Aspect Ratio		calc		6.7
Concentration	nps/mL	calc		3.6E+11
Concentration	mg/mL	calc		0.035
Concentration	ppm	calc		35
CTAB	mM	measured		3

Date	1/3/2017
Exp Date	7/2/2017

Alex Schoen, Manager Quality Control

