

# NANOPARTz™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-40-550-CTAB
Lot #	12G83
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI water

SPR Peak	nm	measured	UV/VIS	560
SPR Abs	OD	measured	UV/VIS	1.2
LSPR Peak	nm	measured	UV/VIS	530
LSPR Abs	OD	measured	UV/VIS	1.2
pH		measured	Expt.	5
Zeta Potential	mV	measured	DLS	42
Diameter	nm	measured	TEM	44
Length	nm	measured	TEM	65
Aspect Ratio		calc		1.5
Concentration	nps/mL	calc		5.3E+10
Concentration	mg/mL	calc		0.06
CTAB	mM	measured		5

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

Alex Schoen, Manager  
Quality Control

