

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-40-808-CTAB
Lot #	RPB168D
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	815
SPR Abs	OD	measured	UV/VIS	1.2
LSPR Peak	nm	measured	UV/VIS	518
LSPR Abs	OD	measured	UV/VIS	0.4
pH		measured	Expt.	5
Zeta Potential	mV	measured	DLS	40
Diameter	nm	measured	TEM	39
Length	nm	measured	TEM	131
Aspect Ratio		calc		3.4
Concentration	nps/mL	calc		2.2E+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

