

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-40-600-CTAB
Lot #	12G84
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	613
SPR Abs	OD	measured	UV/VIS	1.1
LSPR Peak	nm	measured	UV/VIS	521
LSPR Abs	OD	measured	UV/VIS	0.3
pH		measured	Expt.	6
Zeta Potential	mV	measured	DLS	30
Diameter	nm	measured	TEM	40
Length	nm	measured	TEM	67
Aspect Ratio		calc		1.7
Concentration	nps/mL	calc		5.7E+11
Concentration	mg/mL	calc		0.04
CTAB	mM	measured		3

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

Alex Schoen, Manager Quality Control

