

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-40-700-CTAB
Lot #	E2883
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	700
SPR Abs	OD	measured	UV/VIS	1.2
LSPR Peak	nm	measured	UV/VIS	520
LSPR Abs	OD	measured	UV/VIS	0.7
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	35
Diameter	nm	measured	TEM	40
Length	nm	measured	TEM	92
Aspect Ratio		calc		2.3
Concentration	nps/mL	calc		3.1E+10
Concentration	mg/mL	calc		0.060
CTAB	mM	measured		5

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

Alex Schoen, Manager
Quality Control

