

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-25-850-CTAB
Lot #	12G109
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	850
SPR Abs	OD	measured	UV/VIS	1.1
LSPR Peak	nm	measured	UV/VIS	516
LSPR Abs	OD	measured	UV/VIS	0.3
pH		measured	Expt.	6
Zeta Potential	mV	measured	DLS	35
Diameter	nm	measured	TEM	25
Length	nm	measured	TEM	93
Aspect Ratio		calc		3.7
Concentration	nps/mL	calc		6.9E+10
Concentration	mg/mL	calc		0.055
Concentration	ppm	calc		35
CTAB	mM	measured		3

Date	1/4/2017
Exp Date	7/3/2017

Alex Schoen, Manager Quality Control

