

Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-10-1200-CTAB
Lot #	RPB152D
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	1200
SPR Abs	OD	measured	UV/VIS	1
LSPR Peak	nm	measured	UV/VIS	508
LSPR Abs	OD	measured	UV/VIS	0.15
pH		measured	Expt.	6
Zeta Potential	mV	measured	DLS	40
Diameter	nm	measured	TEM	11
Length	nm	measured	TEM	82
Aspect Ratio		calc		7.5
Concentration	nps/mL	calc		2.4E+11
Concentration	mg/mL	calc		0.035
Concentration	ppm	calc		35
CTAB	mM	measured		5

Date	1/3/2017
Exp Date	7/2/2017

Alex Schoen, Manager Quality Control

