

Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-50-700-CTAB
Lot #	12G146
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	692
SPR Abs	OD	measured	UV/VIS	1
LSPR Peak	nm	measured	UV/VIS	543
LSPR Abs	OD	measured	UV/VIS	0.8
pH		measured	Expt.	6
Zeta Potential	mV	measured	DLS	40
Diameter	nm	measured	TEM	51
Length	nm	measured	TEM	93
Aspect Ratio		calc		2.9
Concentration	nps/mL	calc		1.7E+10
Concentration	mg/mL	calc		0.050
CTAB	mM	measured		4

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

Alex Schoen, Manager Quality Control

