

Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-10-780-CTAB
Lot #	12G98
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	780
SPR Abs	OD	measured	UV/VIS	1.1
LSPR Peak	nm	measured	UV/VIS	511
LSPR Abs	OD	measured	UV/VIS	0.3
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	38
Diameter	nm	measured	TEM	10
Length	nm	measured	TEM	38
Aspect Ratio		calc		3.8
Concentration	nps/mL	calc		7.3E+11
Concentration	mg/mL	calc		0.039
CTAB	mM	measured		3

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

Alex Schoen, Manager Quality Control

