

# NANOPARTZ™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-10-700-CTAB
Lot #	RPD2512D
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	710
SPR Abs	OD	measured	UV/VIS	1.2
LSPR Peak	nm	measured	UV/VIS	513
LSPR Abs	OD	measured	UV/VIS	0.5
pH		measured	Expt.	6
Zeta Potential	mV	measured	DLS	44
Diameter	nm	measured	TEM	10
Length	nm	measured	TEM	30
Aspect Ratio		calc		3.0
Concentration	nps/mL	calc		1.0E+12
Concentration	mg/mL	calc		0.042
CTAB	mM	measured		5

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

Alex Schoen, Manager Quality Control

