

# NANOPARTZ™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-25-700-CTAB
Lot #	12G106
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	697
SPR Abs	OD	measured	UV/VIS	1
LSPR Peak	nm	measured	UV/VIS	518
LSPR Abs	OD	measured	UV/VIS	0.4
pH		measured	Expt.	6
Zeta Potential	mV	measured	DLS	37
Diameter	nm	measured	TEM	23
Length	nm	measured	TEM	74
Aspect Ratio		calc		3.2
Concentration	nps/mL	calc		9.4E+10
Concentration	mg/mL	measured	ICP	0.050
Concentration	ppm	measured		50
CTAB	mM	measured		4

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

Alex Schoen, Manager Quality Control

