

# NANOPARTz™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Nanopartz Gold Nanorod
Product Number	A12-25-650-CTAB
Lot #	12G72
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	662
SPR Abs	OD	measured	UV/VIS	1
LSPR Peak	nm	measured	UV/VIS	518
LSPR Abs	OD	measured	UV/VIS	0.55
pH		measured	Expt.	6
Zeta Potential	mV	measured	DLS	30
Diameter	nm	measured	TEM	25
Length	nm	measured	TEM	71
Aspect Ratio		calc		2.8
Concentration	nps/mL	calc		1.1E+11
Concentration	mg/mL	calc		0.050
CTAB	mM	measured		3

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

Alex Schoen, Manager Quality Control

