

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanorods
Product Number	A12-25-750-CTAB
Lot #	RPD235ED
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	750
SPR Abs	AU	measured	UV/VIS	1.2
LSPR Peak	nm	measured	UV/VIS	517
LSPR Abs	AU	measured	UV/VIS	0.35
pH		measured	Expt.	5
Zeta Potential	mV	measured	DLS	37
Diameter	nm	measured	TEM	22
Length	nm	measured	TEM	76
Aspect Ratio		calc		3.5
Concentration	nps/mL	calc		1.2E+11
Concentration	mg/mL	measured	ICP	0.060

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

Alex Schoen, Manager Quality Control

