

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanowires
Product Number	A14-150-40000-CTAB-DIH-1-5
Lot #	14Y29-7053
Appearance	Slight off white color
Form	White precipitate colloid
Capping Agent	CTAB
Solution	18MEG DI Water

pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	35
Diameter	nm	measured	Dark Field	150
Length	nm	measured	Dark Field	40000
Aspect Ratio		calc		266.7
Concentration	nps/mL	calc		3.7E+06
Wt. conc.	mg/mL	calc		0.050
Concentration	ppm	calc		50
Wt %	%	calc		0.0050%
Molarity	nM	calc		6.13E-06
Molar Ext.	M-1cm-1	calc		1.63E+12
CTAB	mM	measured		50
Volume	mL	measured		5

Date	8/28/2019
Exp Date	2/24/2020

Alex Schoen, Manager
Quality Control

