

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanowires
Product Number	A14-4000-CTAB-DIH-1-5
Lot #	14L62A-12186
Form	Gold Nanowire Colloid
Capping Agent	CTAB
Solution	18MEG DI Water
Source	F3278

SPR Peak	nm	measured	UV/VIS	521
SPR Abs	OD	measured	UV/VIS	0.07
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	35
Diameter	nm	measured	TEM	75
Length	nm	measured	TEM	4000
Aspect Ratio		calc		53.3
Concentration	nps/mL	calc		2.1E+08
Wt. conc.	mg/mL	calc		0.070
Concentration	ppm	calc		70
Wt %	%	calc		0.0070%
Molarity	nM	calc		3.45E-04
Molar Ext.	M-1cm-1	calc		2.0E+11
CTAB	mM	measured		25
Volume	mL	measured		5

Date	1/18/2024
Exp Date	7/16/2024

Alex Schoen, Manager
Quality Control

