

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanowires
Product Number	A14-7500-CTAB-DIH-1-5
Lot #	14M69-13245
Form	White precipitate colloid
Capping Agent	CTAB
Solution	18MEG DI Water
Source	NWB16

SPR Peak	nm	measured	UV/VIS	518
SPR Abs	OD	measured	UV/VIS	0.08
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	35
Diameter	nm	measured	TEM	75
Length	nm	measured	TEM	7500
Aspect Ratio		calc		100.0
Concentration	nps/mL	calc		1.3E+08
Wt. conc.	mg/mL	calc		0.080
Concentration	ppm	calc		80
Wt %	%	calc		0.0080%
Molarity	nM	calc		2.10E-04
Molar Ext.	M-1cm-1	calc		3.8E+11
CTAB	mM	measured		25
Volume	mL	measured		5

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

Alex Schoen, Manager
Quality Control

