

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanowires
Product Number	A14-3000-CTAB-DIH-1-5
Lot #	14Y27-11868
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water
Source	14Y27

SPR Peak	nm	measured	UV/VIS	508
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	3000
Aspect Ratio		calc		40.0
Concentration	nps/mL	calc		3.2E+08
Wt. conc.	mg/mL	calc		0.080
Concentration	ppm	calc		80
Wt %	%	calc		0.0080%
Molarity	nM	calc		5.26E-04
Molar Ext.	M-1cm-1	calc		1.5E+11
CTAB	mM	measured		50
Volume	mL	measured		5

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

Alex Schoen, Manager
Quality Control

