

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Organic Gold Nanowires
Product Number	E14-4000-NPO-ETOH-0.25-0.25
Lot #	SPEC
Form	Gold Nanowires
Capping Agent	Nanopartz Organic Polymer
Solution	ETOH
Source	F3278

SPR Peak	nm	measured	UV/VIS	510
SPR Abs	OD	measured	UV/VIS	1
pH		measured	Expt.	n/a
Zeta Potential	mV	measured	DLS	n/a
Diameter	nm	measured	DFM	55
Length	nm	measured	DFM	4000
Aspect Ratio		calc		72.7
Concentration	nps/mL	calc		5.5E+09
Wt. conc.	mg/mL	calc		1.0
Concentration	ppm	calc		1000
Wt %	%	calc		0.1000%
Molarity	nM	calc		9.14E-03
Molar Ext.	M-1cm-1	calc		1.1E+11
Volume	mL	measured		0.25

Date	5/15/2020
Exp Date	11/11/2020

Chris Sievers, Manager
Quality Control

