

NANOPARTz™

The gold nanoparticle for nanotechnology

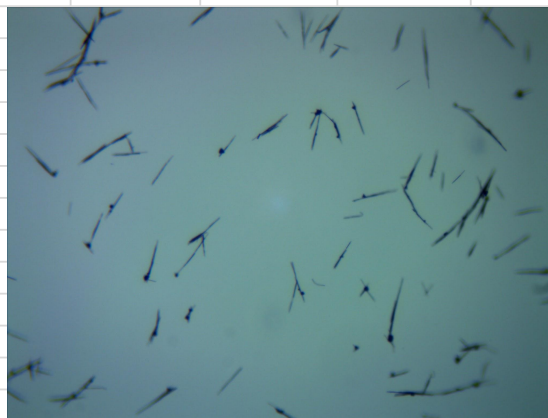
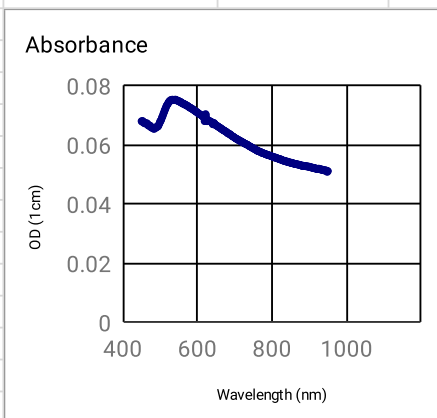
Certificate of Analysis

Product Family	Nanopartz Gold Nanowires
Product Number	A14-20000-CTAB-DIH-1-5
Lot #	N2208
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water
Source	14K45

SPR Peak	nm	measured	UV/VIS	545
SPR Abs	OD	measured	UV/VIS	0.07
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	35
Diameter	nm	measured	Dark Field	100
Length	nm	measured	Dark Field	20000
Aspect Ratio		calc		200.0
Concentration	nps/mL	calc		2.3E+07
Wt. conc.	mg/mL	calc		0.070
Concentration	ppm	calc		70
Wt %	%	calc		0.0070%
Molarity	nM	calc		3.86E-05
Molar Ext.	M-1cm-1	calc		2.59E+11
CTAB	mM	measured		50
Volume	mL	measured		5

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

Max Schoen, Manager
Quality Control



40x Dark Field