

NANOPARTZ™

The gold nanoparticle for nanotechnology

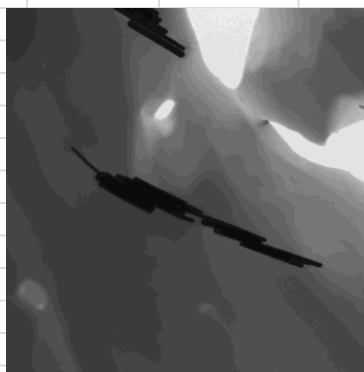
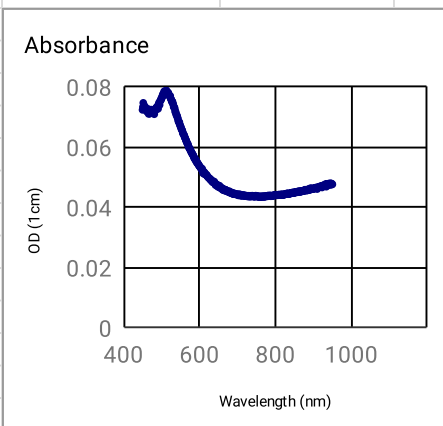
Certificate of Analysis

Product Family	Nanopartz Gold Nanowires
Product Number	A14-2000-CTAB-DIH-1-5
Lot #	F3252-11868
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water
Source	F3252-2

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	2000
Aspect Ratio		calc		26.7
Concentration	nps/mL	calc		4.8E+08
Wt. conc.	mg/mL	calc		0.080
Concentration	ppm	calc		80
Wt %	%	calc		0.0080%
Molarity	nM	calc		7.93E-04
Molar Ext.	M-1cm-1	calc		1.0E+11
CTAB	mM	measured		50
Volume	mL	measured		5

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

Alex Schoen, Manager
Quality Control



F3252-2.jpg
Cal: 0.002065 um/pix
3:27:40 p.02/23/25

SFO nm
HV=80.0kV
Direct Mag: 4400x
Ph11po CM100