

NANOPARTZ™

The gold nanoparticle for nanotechnology

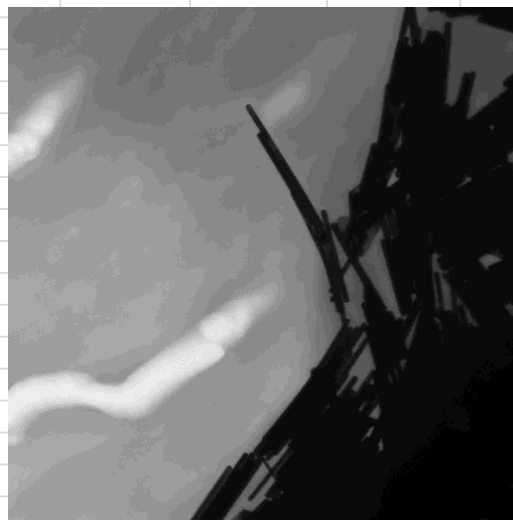
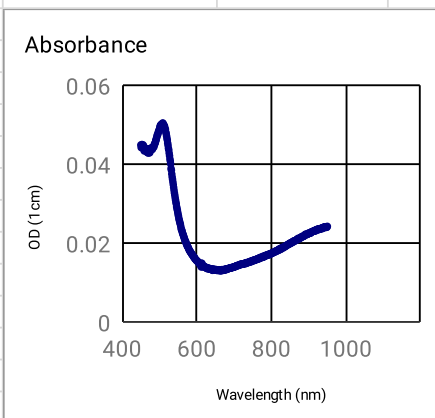
Certificate of Analysis

Product Family	Nanopartz Gold Nanowires
Product Number	A14-1000-CTAB-DIH-1-5
Lot #	F3251-7773
Appearance	Slight off white color
Form	White precipitate colloid
Capping Agent	CTAB
Solution	18MEG DI Water
Source	F3251

SPR Peak	nm	measured	UV/VIS	510
SPR Abs	OD	measured	UV/VIS	0.05
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	35
Diameter	nm	measured	TEM	75
Length	nm	measured	TEM	1000
Aspect Ratio		calc		13.3
Concentration	nps/mL	calc		6.0E+08
Wt. conc.	mg/mL	calc		0.050
Concentration	ppm	calc		50
Wt %	%	calc		0.0050%
Molarity	nM	calc		1.00E-03
Molar Ext.	M-1cm-1	calc		5.0E+10
CTAB	mM	measured		50
Volume	mL	measured		5

Date	8/28/2019
Exp Date	2/24/2020

Alex Schoen, Manager
Quality Control



F3251-2.jpg
Cal: 0.002065 um/pix
3:33:45 p 02/23/15

500 nm
HV=80.0kV
Direct Mag: 6600x
Phillips CM100