

NANOPARTZ™

The gold nanoparticle for nanotechnology

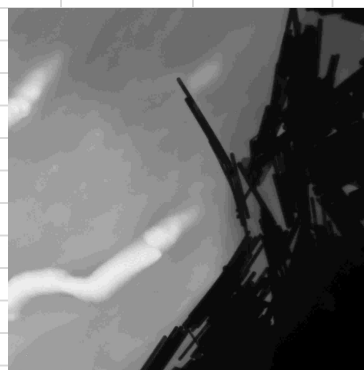
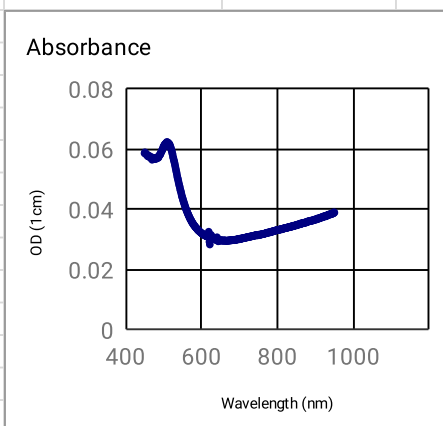
Certificate of Analysis

Product Family	Nanopartz Gold Nanowires
Product Number	A14-1000-CTAB-DIH-1-5
Lot #	14N75-13575
Form	Gold Nanowires
Capping Agent	CTAB
Solution	18MEG DI Water
Source	F3251

SPR Peak	nm	measured	UV/VIS	510
SPR Abs	OD	measured	UV/VIS	0.06
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		7.2E+08
Wt. conc.	mg/mL	calc		0.060
Concentration	ppm	calc		60
Wt %	%	calc		0.0060%
Molarity	nM	calc		1.20E-03
Molar Ext.	M-1cm-1	calc		5.0E+10
CTAB	mM	measured		50
Volume	mL	measured		5

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

Alex Schoen, Manager
Quality Control



F3251-2.jpg
Col: 0.002065 um/pix
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300 um
HV: 80.0kV
Direct Mag: 6600x
Ph11 per ORI00