

NANOPARTZ™

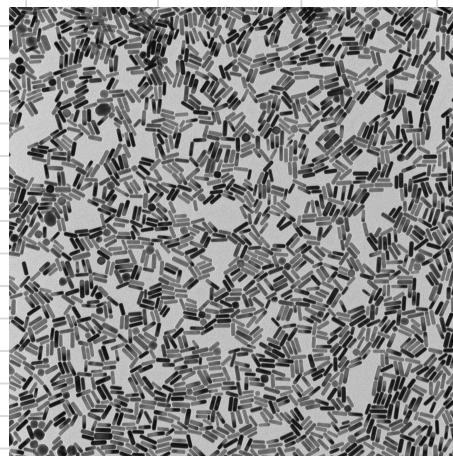
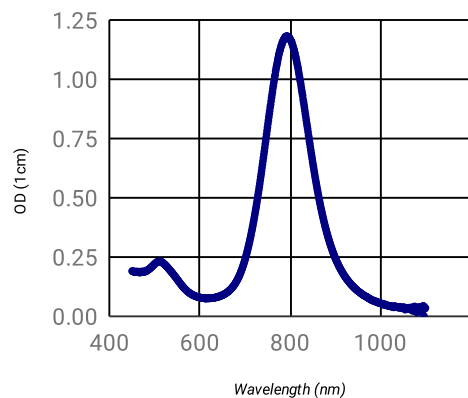
The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanorods			
Product Number	A12-10-780-CTAB-DIH-1-25			
Lot #	12L473-13806			
Form	Gold Nanorods			
Capping Agent	CTAB			
Solution	18MEG DI Water			
Source	12G98			
SPR Peak	nm	measured	UV/VIS	782
SPR Abs	OD	measured	UV/VIS	1.2
LSPR Peak	nm	measured	UV/VIS	510
LSPR Abs	OD	measured	UV/VIS	0.25
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	33
Diameter	nm	measured	TEM	10
Length	nm	measured	TEM	38
Aspect Ratio		calc		3.8
Concentration	nps/mL	calc		8.0E+11
Wt. conc.	mg/mL	calc		0.042
Concentration	ppm	calc		42
Wt %	%	calc		0.0042%
Molarity	nM	calc		1.33
Molar Ext.	M-1cm-1	calc		9.0E+08
CTAB	mM	measured		5
Volume	mL	measured		25
Date				1/13/2024
Exp Date				7/11/2024

Alex Schoen, Manager Quality Control

Absorbance (OD)



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Print Map: 1450000 x 7.0 in
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100 nm
05/10/10.oky
Elect Map 98000x
ADF Camera System