

NANOPARTz™

The gold nanoparticle for nanotechnology

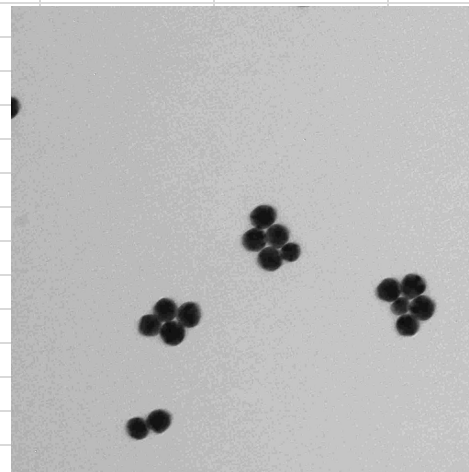
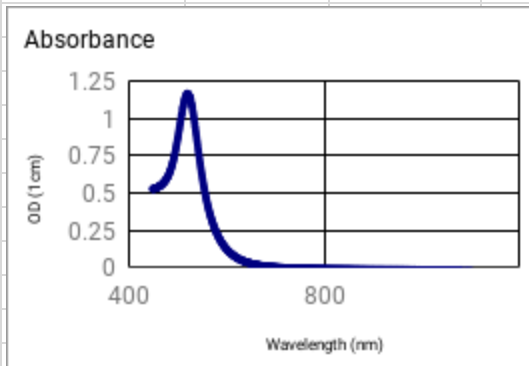
Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-25-NPC-DIH-Bulk
Lot #	E2534
Form	Gold Colloid
Capping Agent	Nanopartz Carboxylic Acid
Solution	18MEG DI Water
Source	E2534

Diameter	nm	measured average	TEM, UVVIS	25
SPR Abs	OD	measured	UV/VIS	1.1
PDI	stddev/size	measured	TEM	8%
SPR Peak	nm	measured	UV/VIS	522
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-28
Concentration	nps/mL	calc		3.49E+11
Wt. conc.	mg/mL	calc		0.06
ppm		calc		55
Wt. %	%	calc		0.0055%
Molarity	uM	calc		5.82E-04
Molar Ext.	M-1cm-1	calc		1.89E+09

Date 8/17/2018
Exp Date 2/13/2019

Alex Schoen, Manager
Quality Control



A11-25 E2534.jpg
Cal: 0.47824 nm/pix
2:27:52 p 08/20/14

100 nm
HV=80.0kV
Direct Mag: 28500x
Phillips CM100