

NANOPARTz™

The gold nanoparticle for nanotechnology

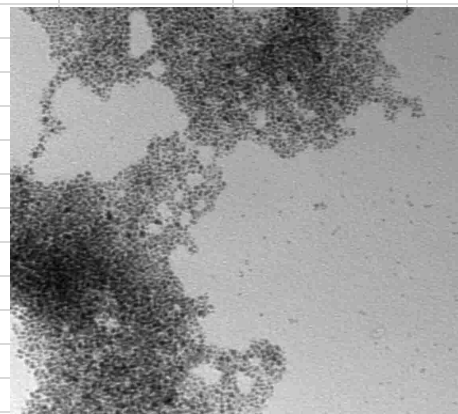
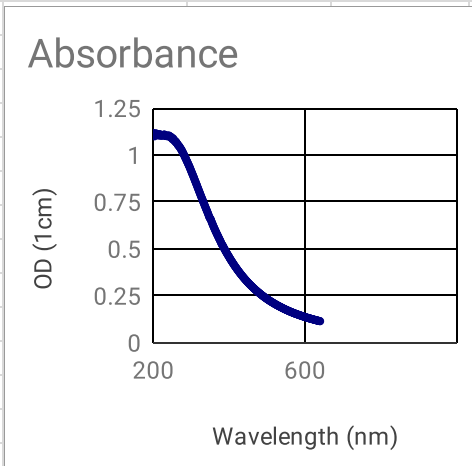
Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-1.8-CIT-DIH-1-10
Lot #	SPEC
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	E2463

Diameter	nm	measured	TEM	1.8
SPR Abs	OD	measured	UV/VIS	1.2
PDI	stddev/size	measured	TEM	20%
SPR Peak	nm	measured	UV/VIS	n/a
pH		measured	Orion	10
Zeta Potential	mV	measured	DLS	-30
Concentration	nps/mL	calc		1.02E+15
Wt. conc.	mg/mL	calc		0.06
ppm		calc		60
Wt. %	%	calc		0.0060%
Molarity	uM	calc		1.70E+00
Molar Ext.	M-1cm-1	calc		7.05E+05
Volume	mL	measured		10

Date	10/4/2019
Exp Date	4/1/2020

Alex Schoen, Manager
Quality Control



E2463.jpg
Call: 0.363372 nm/pix
4:00:59 PM 11/18/2014

20 nm
Silver.jpg
Silver.jpg 245000x
CMLD-Dusty