

NANOPARTz™

The gold nanoparticle for nanotechnology

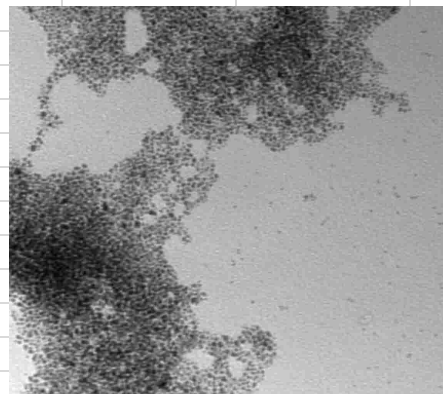
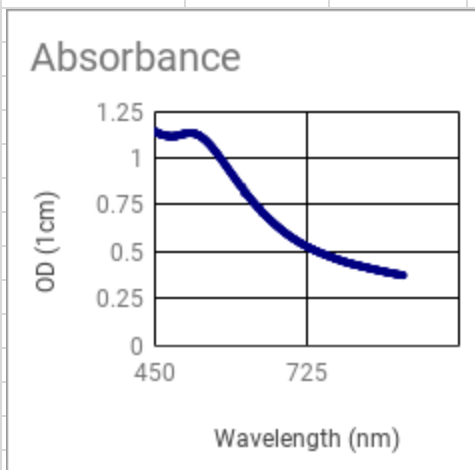
Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-1.8-NPC-DIH-Bulk
Lot #	Y5922
Form	Gold Colloid
Capping Agent	Nanopartz Carboxylic Acid
Solution	18MEG DI Water
Source	E2463

Diameter	nm	measured	TEM	1.8
SPR Abs	OD	measured	UV/VIS	1.1
PDI	stddev/size	measured	TEM	25%
SPR Peak	nm	measured	UV/VIS	509
pH		measured	Orion	10
Zeta Potential	mV	measured	DLS	-30
Concentration	nps/mL	calc		9.36E+14
Wt. conc.	mg/mL	calc		0.06
ppm		calc		55
Wt. %	%	calc		0.0055%
Molarity	uM	calc		1.56E+00
Molar Ext.	M-1cm-1	calc		7.05E+05
Volume	mL	measured		25

Date	8/14/2018
Exp Date	2/10/2019

Alex Schoen, Manager
Quality Control



E2463.jpg
Date: 0.393372 nm/pix
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20 nm
HV40.0kV
Direct Mag: 245000x
CMO-Duety