

NANOPARTZ™

The gold nanoparticle for nanotechnology

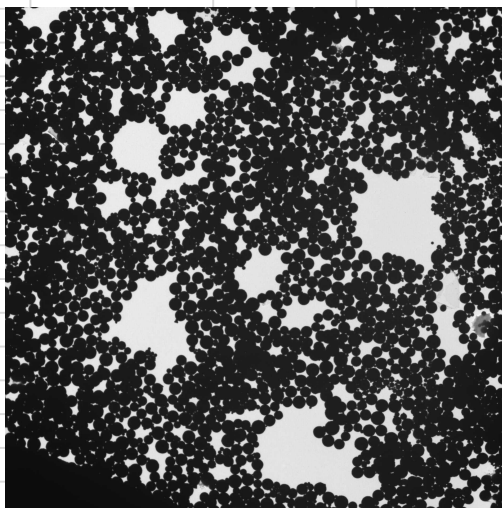
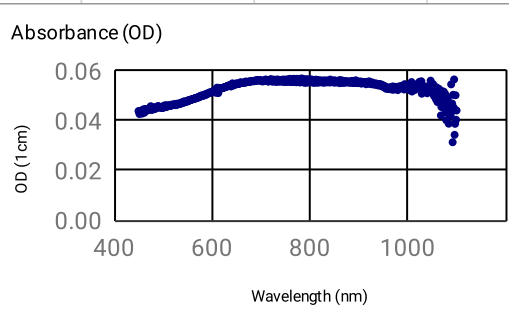
Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-1000-CIT-DIH-1-25
Lot #	11Y225-13573
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11Y173

Diameter	nm	measured	Dark Field	1000
SPR Abs	OD	measured	UV/VIS	0.05
PDI	stddev/size	measured	Dark Field	10%
SPR Peak	nm	measured	UV/VIS	700
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-36
Concentration	nps/mL	calc		4.96E+06
Wt. conc.	mg/mL	calc		0.05
ppm		calc		50
Wt. %	%	calc		0.0050%
Molarity	uM	calc		8.27E-09
Molar Ext.	M-1cm-1	calc		6.05E+12
Citrate	mM	measured		5
Volume	mL	measured		25

Date 1/11/2024
Exp Date 7/9/2024

Alex Schoen, Manager
Quality Control



112195-350
Cal: 0.02876 um/glx
4:09:04 PM 9/7/2018

23 um
HV=100.0kV
Direct Mag: 2900x

