

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

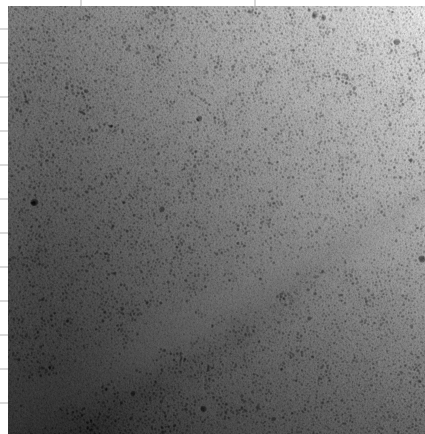
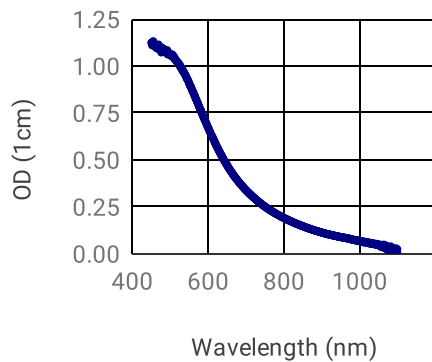
Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-1.8-CIT-DIH-1-25
Lot #	11Y197-13723
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11J245

Diameter	nm	measured	TEM	1.8
SPR Abs	OD	measured	UV/VIS	1.2
PDI	stddev/size	measured	TEM	25%
SPR Peak	nm	measured	UV/VIS	495
pH		measured	Orion	7
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
Citrate	mM	measured		10
Volume	mL	measured		25

Date	1/11/2024
Exp Date	4/10/2024

Alex Schoen, Manager
Quality Control

Absorbance



012045 009
040 0 202766 nm/25x
21:00:08 PM 4/29/2019

000 nm
070400 04V
012045 009 200800x