

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

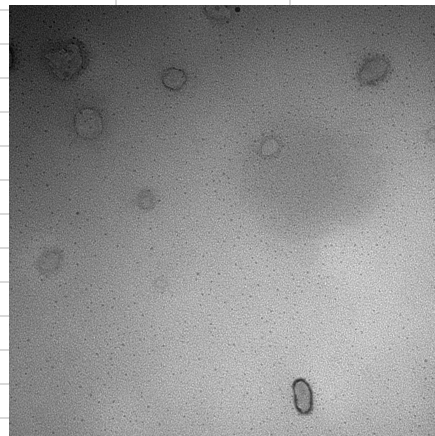
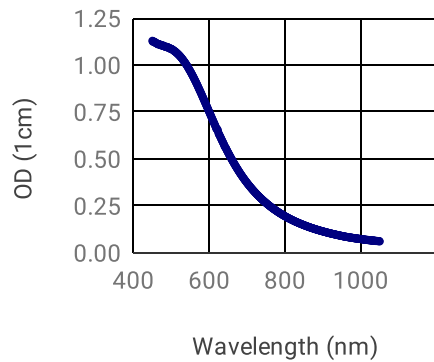
Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-3-CIT-DIH-1-25
Lot #	11N588-13393
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	JA1131

Diameter	nm	measured	TEM	3
SPR Abs	OD	measured	UV/VIS	1.1
PDI	stddev/size	measured	TEM	25%
SPR Peak	nm	measured	UV/VIS	505
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-35
Concentration	nps/mL	calc		2.02E+14
Wt. conc.	mg/mL	calc		0.06
ppm		calc		55
Wt. %	%	calc		0.0055%
Molarity	uM	calc		3.37E-01
Molar Ext.	M-1cm-1	calc		3.26E+06
Citrate	mM	measured		10
Volume	mL	measured		25

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

Alex Schoen, Manager
Quality Control

Absorbance



A11-3-jpg
Call: 0 20378 00/01x
1 01 22 PM 9/27/2019

250 nm
SP-100-0x7
Direct Mag: 250000x