

NANOPARTZ™

The gold nanoparticle for nanotechnology

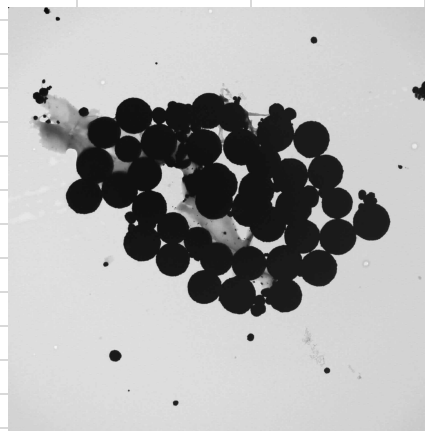
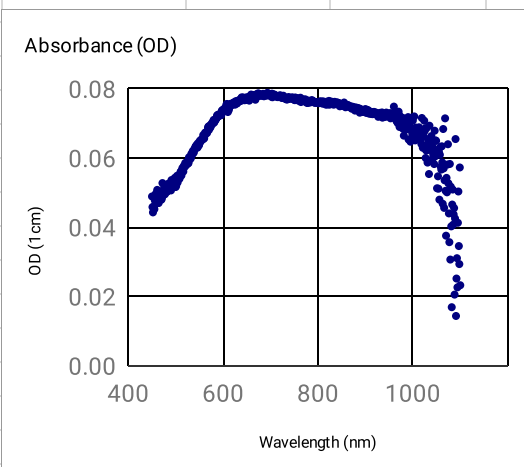
Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-500-CIT-DIH-1-25
Lot #	11K381-13288
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11Y19

Diameter	nm	measured average	TEM, DLS, UVVIS	500
SPR Abs	OD	measured	UV/VIS	0.08
PDI	stddev/size	measured	TEM	10%
SPR Peak	nm	measured	UV/VIS	640
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-38
Concentration	nps/mL	calc		6.35E+07
Wt. conc.	mg/mL	calc		0.08
ppm		calc		80
Wt. %	%	calc		0.0080%
Molarity	uM	calc		1.06E-07
Molar Ext.	M-1cm-1	calc		7.56E+11
Citrate	mM	measured		3
Volume	mL	measured		25

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

Chris Sievers, Manager Quality Control



11K381-13288
C01: 0.000250_uM/p14
11/04/24 09:15:19/0154

SPH100-030
DLS/OT 100x 4800x