

# NANOPARTz™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-100-CIT-DIH-1-100
Lot #	SPEC
Form	Spherical Gold Nanoparticles
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11H131

Diameter	nm	measured average	TEM, DLS, UVVIS	100
SPR Abs	OD	measured	UVVIS	1
PDI	stddev/size	measured	TEM	3%
SPR Peak	nm	measured	UVVIS	565
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-38
Concentration	mps/mL	calc		4.96E+09
Wt. conc.	mg/mL	calc		0.05
ppm		calc		50
Wt. %	%	calc		0.0050%
Molarity	uM	calc		8.27E-06
Molar Ext.	M-1cm-1	calc		1.21E+11
Citrate	mM	measured		3
Volume	mL	measured		100

Date	10/4/2019
Exp Date	4/1/2020

Alex Schoen, Manager  
Quality Control

