

# NANOPARTz™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-150-CIT-DIH-1-100
Lot #	SPEC
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11H90

Diameter	nm	measured average	TEM, DLS, UVVIS	150
SPR Abs	OD	measured	UV/VIS	1.1
PDI	stddev/size	measured	TEM	3%
SPR Peak	nm	measured	UV/VIS	533/600
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-38
Concentration	nps/mL	calc		1.62E+09
Wt. conc.	mg/mL	calc		0.06
ppm		calc		55
Wt. %	%	calc		0.0055%
Molarity	uM	calc		2.70E-06
Molar Ext.	M-1cm-1	calc		4.08E+11
Citrate	mM	measured		5
Volume	mL	measured		100

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

Alex Schoen, Manager  
Quality Control

