

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-200-CIT-DIH-1-10
Lot #	SPEC
Form	Spherical Gold Nanoparticles
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11Y161

Diameter	nm	measured average	TEM, DLS, UVVIS	200
SPR Abs	OD	measured	UV/VIS	1.1
PDI	stddev/size	measured	TEM	3%
SPR Peak	nm	measured	UV/VIS	539/620
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-38
Concentration	nps/mL	calc		6.82E+08
Wt. conc.	mg/mL	calc		0.06
ppm		calc		55
Wt. %	%	calc		0.0055%
Molarity	uM	calc		1.14E-06
Molar Ext.	M-1cm-1	calc		9.67E+11
Citrate	mM	measured		3
Volume	mL	measured		10

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

Alex Schoen, Manager
Quality Control

