

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-2.2-CIT-DIH-1-10
Lot #	SPEC
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	SPA219

Diameter	nm	measured average	TEM, UVVIS	2.2
SPR Abs	OD	measured	UV/VIS	1.1
PDI	stddev/size	measured	TEM	15%
SPR Peak	nm	measured	UV/VIS	505
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-35
Concentration	nps/mL	calc		5.13E+14
Wt. conc.	mg/mL	calc		0.06
ppm		calc		55
Wt. %	%	calc		0.0055%
Molarity	uM	calc		8.54E-01
Molar Ext.	M-1cm-1	calc		1.29E+06
Citrate	mM	measured		10
Volume	mL	measured		10

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

Alex Schoen, Manager Quality Control

