

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-1500-CIT-DIH-1-25
Lot #	SPEC
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11Y194

Diameter	nm	measured	Dark Field	1500
SPR Abs	OD	measured	UV/VIS	0.075
PDI	stddev/size	measured	Dark Field	10%
SPR Peak	nm	measured	UV/VIS	620
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-38
Concentration	nps/mL	calc		1.10E+06
Wt. conc.	mg/mL	calc		0.08
ppm		calc		75
Wt. %	%	calc		0.0075%
Molarity	uM	calc		1.84E-09
Molar Ext.	M-1cm-1	calc		4.08E+13
Citrate	mM	measured		5
Volume	mL	measured		25

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

Alex Schoen, Manager
Quality Control

