

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-35-CIT-DIH-1-25
Lot #	SPEC
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11Y201

Diameter	nm	measured average	TEM, UVVIS	35
SPR Abs	OD	measured	UV/VIS	1
PDI	stddev/size	measured	TEM	10%
SPR Peak	nm	measured	UV/VIS	525
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-37
Concentration	nps/mL	calc		1.16E+11
Wt. conc.	mg/mL	calc		0.05
ppm		calc		50
Wt. %	%	calc		0.0050%
Molarity	uM	calc		1.93E-04
Molar Ext.	M-1cm-1	calc		5.18E+09
Citrate	mM	measured		5
Volume	mL	measured		25

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

Alex Schoen, Manager
Quality Control

