

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-90-CIT-DIH-1-25
Lot #	11J304-13212
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI water
Source	11J304

Diameter	nm	measured average	TEM, DLS, UVVIS	90
SPR Abs	OD	measured	UV/VIS	1.1
PDI	stddev/size	measured	TEM	3%
SPR Peak	nm	measured	UV/VIS	562
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-38
Concentration	nps/mL	calc		7.49E+09
Wt. conc.	mg/mL	calc		0.06
ppm		calc		55
Wt. %	%	calc		0.0055%
Molarity	uM	calc		1.25E-05
Molar Ext.	M-1cm-1	calc		8.81E+10
Citrate	mM	measured		5
Volume	mL	measured		25

Date 1/11/2024
Exp Date 7/9/2024

Chris Sievers, Manager Quality Control

