

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-1500-CIT-DIH-1-25
Lot #	N2551
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11Y194

Diameter	nm	measured	Dark Field	1500
SPR Abs	OD	measured	UV/VIS	0.08
PDI	stddev/size	measured	Dark Field	10%
SPR Peak	nm	measured	UV/VIS	650
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-38
Concentration	nps/mL	calc		2.35E+06
Wt. conc.	mg/mL	calc		0.08
ppm		calc		80
Wt. %	%	calc		0.0080%
Molarity	uM	calc		3.92E-09
Molar Ext.	M-1cm-1	calc		2.04E+13
Citrate	mM	measured		5
Volume	mL	measured		25

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

Alex Schoen, Manager
Quality Control

