

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-40-CIT-DIH-1-25
Lot #	11H104-13646
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11H104

Diameter	nm	measured average	TEM, DLS, UVVIS	40
SPR Abs	OD	measured	UV/VIS	1
PDI	stddev/size	measured	TEM	9%
SPR Peak	nm	measured	UV/VIS	528
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-33
Concentration	nps/mL	calc		7.75E+10
Wt. conc.	mg/mL	calc		0.05
ppm		calc		50
Wt. %	%	calc		0.0050%
Molarity	uM	calc		1.29E-04
Molar Ext.	M-1cm-1	calc		7.74E+09
Citrate	mM	measured		3
Volume	mL	measured		25

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

Alex Schoen, Manager Quality Control

