

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-5-CIT-DIH-1-25
Lot #	11N635-13776
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	11H92

Diameter	nm	measured average	TEM, UVVIS	5
SPR Abs	OD	measured	UVVIS	1.1
PDI	stddev/size	measured	TEM	20%
SPR Peak	nm	measured	UVVIS	518
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-31
Concentration	nps/mL	calc		4.37E+13
Wt. conc.	mg/mL	calc		0.06
ppm		calc		55
Wt. %	%	calc		0.0055%
Molarity	uM	calc		7.28E-02
Molar Ext.	M-1cm-1	calc		1.51E+07
Citrate	mM	measured		10
Volume	mL	measured		25

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

Alex Schoen, Manager
Quality Control

