

# NANOPARTZ™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles			
Product Number	A11-4-CIT-DIH-1-25			
Lot #	11M522-13430			
Form	Gold Colloid			
Capping Agent	Citrate			
Solution	18MEG DI Water			
Source	SP4			
Diameter	nm	measured	TEM	4
SPR Abs	OD	measured	UV/VIS	1
PDI	stddev/size	measured	TEM	25%
SPR Peak	nm	measured	UV/VIS	520
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-35
Concentration	nps/mL	calc		7.75E+13
Wt. conc.	mg/mL	calc		0.05
ppm		calc		50
Wt. %	%	calc		0.0050%
Molarity	uM	calc		1.29E-01
Molar Ext.	M-1cm-1	calc		7.74E+06
Citrate	mM	measured		10
Volume	mL	measured		25

Date 1/11/2024  
Exp Date 4/10/2024

Alex Schoen, Manager  
Quality Control

### Absorbance

