

# NANOPARTZ™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Cubic Gold Nanoparticles
Product Number	A1C-100-CIT-DIH-1-5
Lot #	SPEC
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	1AJ32

Edge	nm	measured	TEM	100
SPR Abs	OD	measured	UV/VIS	1.2
PDI	stddev/size	measured	DLS	10%
SPR Peak	nm	measured	UV/VIS	590
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-34
Concentration	nps/mL	calc		3.11E+09
Wt. conc.	mg/mL	calc		0.060
ppm		calc		60
Wt. %	%	calc		0.0060%
Molarity	pM	calc		5.2
Molar Ext.	M-1cm-1	calc		1.93E+11
Citrate	mM	measured		5
Volume	mL	measured		5

Date	10/26/2023
Exp Date	1/24/2024

Alex Schoen, Manager Quality Control

### Absorbance

