

# NANOPARTZ™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-95-CIT-DIH-1-10
Lot #	SPEC
Form	Gold Colloid
Capping Agent	Citrate
Solution	18 MEG DI water
Source	11H134

Diameter	nm	measured average	TEM, DLS, UVVIS	95
SPR Abs	OD	measured	UV/VIS	1.2
PDI	stddev/size	measured	TEM	4%
SPR Peak	nm	measured	UV/VIS	556
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-38
Concentration	nps/mL	calc		6.95E+09
Wt. conc.	mg/mL	calc		0.06
ppm		calc		60
Wt. %	%	calc		0.0060%
Molarity	uM	calc		1.16E-05
Molar Ext.	M-1cm-1	calc		1.04E+11
Citrate	mM	measured		5
Volume	mL	measured		10

Date 10/4/2019  
Exp Date 4/1/2020

Alex Schoen, Manager Quality Control

