

# NANOPARTz™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Nanopartz Gold Nanotriangles			
Product Number	A1T-600-CIT-DIH-1-5			
Lot #	SPEC			
Form	Gold Colloid			
Capping Agent	Citrate			
Solution	18MEG DI Water			
Source	1TN07			
SPR Peak	nm	measured	UV/VIS	610
SPR Abs	OD	measured	UV/VIS	1.1
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	-32
Edge	nm	measured	TEM	90
Thickness	nm	measured	TEM	35
Concentration	nps/mL	calc		2.3E+10
Wt. conc.	mg/mL	calc		0.055
Concentration	ppm	calc		55
Wt %	%	calc		0.0055%
Molarity	nM	calc		0.039
Molar Ext.	M-1cm-1	calc		2.8E+10
Citrate	mM	measured		5
Volume	mL	measured		5
Date				10/3/2023
Exp Date				1/1/2024

Chris Sievers, Manager Quality Control

