

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 600
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 30
Concentration	nps/mL	calc	2.7E+10
Wt. conc.	mg/mL	calc	0.055
Concentration	ppm	calc	55
Wt %	%	calc	0.0055%
Molarity	nM	calc	0.045
Molar Ext.	M-1cm-1	calc	2.4E+10
Citrate	mM	measured	5
Volume	mL	measured	5

Date 6/7/2023
Exp Date 9/5/2023

Chris Sievers, Manager Quality Control

