

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Nanopartz Gold Nanotriangles			
Product Number	A1T-575-CIT-DIH-1-5			
Lot #	SPEC			
Form	Gold Colloid			
Capping Agent	Citrate			
Solution	18MEG DI Water			
Source	1TN04-1			
SPR Peak	nm	measured	UV/VIS	575
SPR Abs	OD	measured	UV/VIS	1.1
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	-32
Edge	nm	measured	TEM	50
Thickness	nm	measured	TEM	25
Concentration	nps/mL	calc		1.1E+11
Wt. conc.	mg/mL	calc		0.055
Concentration	ppm	calc		55
Wt %	%	calc		0.0055%
Molarity	nM	calc		0.176
Molar Ext.	M-1cm-1	calc		6.3E+09
Citrate	mM	measured		5
Volume	mL	measured		5
Date				6/7/2023
Exp Date				9/5/2023

Chris Sievers, Manager Quality Control

