

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Cubic Gold Nanoparticles
Product Number	A1C-80-CIT-DIH-1-5
Lot #	SPEC
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	H5232

Edge	nm	measured	TEM	80
SPR Abs	OD	measured	UV/VIS	1.2
PDI	stddev/size	measured	DLS	10%
SPR Peak	nm	measured	UV/VIS	568
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-35
Concentration	nps/mL	calc		6.07E+09
Wt. conc.	mg/mL	calc		0.060
ppm		calc		60
Wt. %	%	calc		0.0060%
Molarity	uM	calc		1.01E-05
Molar Ext.	M-1cm-1	calc		1.19E+11
Citrate	mM	measured		5
Volume	mL	measured		5

Date	10/26/2023
Exp Date	4/23/2024

Alex Schoen, Manager Quality Control

