

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Cubic Gold Nanoparticles
Product Number	A1C-30-CIT-DIH-1-5
Lot #	SPEC
Form	Gold Colloid
Capping Agent	Citrate
Solution	18MEG DI Water
Source	1AH01

Edge	nm	measured	TEM	30
SPR Abs	OD	measured	UV/VIS	1
PDI	stddev/size	measured	DLS	10%
SPR Peak	nm	measured	UV/VIS	529
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-35
Concentration	nps/mL	calc		9.60E+10
Wt. conc.	mg/mL	calc		0.050
ppm		calc		50
Wt. %	%	calc		0.0050%
Molarity	pM	calc		159.9
Number	moles	calc		1.60E-13
Molar Ext.	M-1cm-1	calc		6.25E+09
Abs Molar Ext.	M-1cm-1	calc		6.25E+09
Scat Molar Ext.	M-1cm-1	calc		0
Surf Area	nm ²	calc		5400
Citrate	mM	measured		5
Volume	mL	measured		5

Date	4/29/2023
Exp Date	7/28/2023

Alex Schoen, Manager Quality Control

Absorbance

