

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

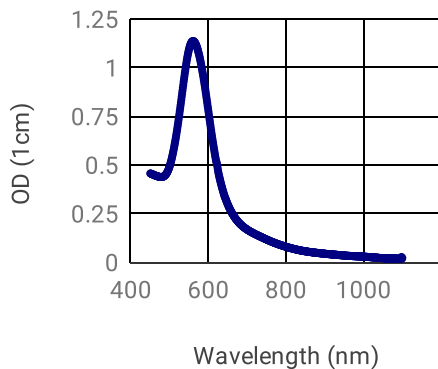
Product Family	Cubic Gold Nanoparticles
Product Number	A1C-70-CIT-DIH-1-5
Lot #	SPEC
Form	Gold Colloid
Functionalization	Citrate
Solution	18MEG DI water
Source	1AJ27

Diameter	nm	measured	DLS,TEM,UVVIS	70
SPR Abs	OD	measured	UV/VIS	1
PDI	stddev/size	measured	DLS/TEM	10%
SPR Peak	nm	measured	UV/VIS	563
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-31
Concentration	nps/mL	calc		1.45E+10
Wt. conc.	mg/mL	calc		0.1
ppm		calc		50
Wt. %	%	calc		0.0050%
Molarity	uM	calc		2.41E-05
Molar Ext.	M-1cm-1	calc		4.15E+10
Citrate	mM	measured		3
Volume	ml	measured		5

Date	10/26/2023
Exp Date	1/24/2024

Alex Schoen, Manager Quality Control

Absorbance



SA227-1.jpg
 Date: 0.002150 um/gsk
 1.24 90 20 8/22/2019

500 nm
 HV5100.0kV
 Direct Mag: 30000x