

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles
Product Number	A11-2.2-NPC-DIH-BULK
Lot #	Y0000
Form	Gold Colloid
Capping Agent	Nanopartz Carboxylic Acid
Solution	18 MEG DI water
Source	SPA240N

Diameter	nm	measured average	TEM, DLS, UVVIS	4.0
SPR Abs	OD	measured	UV/VIS	1
PDI	stddev/size	measured	TEM	15%
SPR Peak	nm	measured	UV/VIS	n/a
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-35
Concentration	nps/mL	calc		7.75E+13
Wt. conc.	mg/mL	calc		0.05
ppm		calc		50
Wt. %	%	calc		0.0050%
Molarity	uM	calc		1.29E-01
Molar Ext.	M-1cm-1	calc		7.74E+06

Date 8/17/2018
Exp Date 2/13/2019

Alex Schoen, Manager Quality Control

