

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Pore Sizing Gold Nanoparticles			
Product Number	PSZ11-30-DIH-2.5-1			
Lot #	SPEC			
Form	Spherical Gold Nanoparticles			
Functionalization	Non reactive Polymer			
Solution	18MEG DI Water			
Source	11J266			
Diameter	nm	measured	TEM	30
SPR Abs	OD	measured	UV/VIS	50
Volume	ml	measured		1.0
OD-ml	OD-ml	calc		50
PDI	stddev/size	measured	TEM	5%
SPR Peak	nm	measured	UV/VIS	521
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-6
Concentration	nps/mL	calc		9.19E+12
Wt. conc.	mg/mL	calc		2.5
ppm		calc		2.50E+03
Wt. %	%	calc		0.25%
Molarity	uM	calc		1.53E-02
Amount	nmoles	calc		1.53E-02
Molar Ext.	M-1cm-1	calc		3.26E+09
Date				9/24/2020
Exp Date				3/23/2021

Alex Schoen, Manager Quality Control

