

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	PCR Polymer Functionalized Gold Nanorods			
Product Number	PCR12-10-808-DIH-50-1			
Lot #	SPEC			
Form	Gold Colloid			
Functionalization	PCR Polymer			
Solution	18MEG DI Water			
Source	12G97			

SPR Peak	nm	measured	UV/VIS	808
SPR Abs	OD	measured	UV/VIS	50
LSPR Peak	nm	measured	UV/VIS	510
LSPR Abs	OD	measured	UV/VIS	7
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	-16
Diameter	nm	measured	TEM	10
Length	nm	measured	TEM	41
Aspect Ratio		calc		4.1
Concentration	nps/mL	calc		3.1E+13
Wt. conc.	mg/mL	calc		1.8
Concentration	ppm	calc		1750
Wt %	%	calc		0.18%
Molarity	nM	calc		51
Molar Ext.	M-1cm-1	calc		9.8E+08
Volume	mL	measured		1

Date	9/24/2020
Exp Date	12/23/2020

Alex Schoen, Manager Quality Control

