

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Organic Gold Nanorodz
Product Number	E12-10-808-NPO-CHL-100-0.25
Lot #	J7152
Form	Gold Colloid
Functionalization	Nanopartz Organic Polymer
Matrix	CHL
Source	12G97

SPR Peak	nm	measured	UV/VIS	812
SPR Abs	OD	measured	UV/VIS	480
LSPR Peak	nm	measured	UV/VIS	511
LSPR Abs	OD	measured	UV/VIS	100
pH		measured	Expt.	n/a
Zeta Potential	mV	measured	DLS	n/a
Diameter	nm	measured	TEM	10
Length	nm	measured	TEM	41
Aspect Ratio		calc		4.1
Concentration	nps/mL	calc		2.9E+14
Wt. conc.	mg/mL	calc		16.80
Concentration	ppm	calc		16800
Wt %	%	calc		1.68%
Molarity	nM	calc		491.161
Molar Ext.	M-1cm-1	calc		9.8E+08
Volume	mL	measured		0.25

Date	5/13/2020
Exp Date	8/11/2020

Alex Schoen, Manager Quality Control

