

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Organic Spherical Gold Nanoparticles
Product Number	E11-100-NPO-MM-2.5-0.25
Lot #	K7591
Form	Spherical Gold Nanoparticles
Capping Agent	Nanopartz Organic Polymer
Solution	Metamaterial
Source	11H131

Diameter	nm	measured	TEM	100
SPR Abs	OD	measured	UV/VIS	224
PDI	stddev/size	measured	TEM	4%
SPR Peak	nm	measured	UV/VIS	574
pH		measured	Orion	n/a
Zeta Potential	mV	measured	DLS	n/a
Concentration	nps/mL	calc		1.11E+12
Wt. conc.	mg/mL	calc		11.2
ppm		calc		11200
Wt. %	%	calc		1.1%
Molarity	uM	calc		1.85E-03
Molar Ext.	M-1cm-1	calc		1.21E+11
Weight	mg	calc		2.8
Volume	mL	measured		0.25

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

Chris Sievers, Manager
Quality Control

