

# NANOPARTz™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Accurate Spherical Gold Nanoparticles			
Product Number	A11-30-NPC-DIH-Bulk			
Lot #	11H106			
Form	Gold Colloid			
Capping Agent	Nanopartz Carboxylic Acid			
Solution	18MEG DI Water			
Source	11H106			
Diameter	nm	measured average	TEM, DLS, UVVIS	30
SPR Abs	OD	measured	UV/VIS	1.2
PDI	stddev/size	measured	TEM	6%
SPR Peak	nm	measured	UV/VIS	521
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	-32
Concentration	nps/mL	calc		2.45E+11
Wt. conc.	mg/mL	calc		0.060
ppm		calc		60
Wt. %	%	calc		0.0060%
Molarity	nm	calc		0.3924
Molar Ext.	M-1cm-1	calc		2.94E+09
Volume	mL	measured		25
Date				8/17/2018
Exp Date				2/13/2019

Alex Schoen, Manager  
Quality Control

