

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Organic Microgold
Product Number	E13-75-500-NPO-ETOH-0.25-0.25
Lot #	SPEC
Form	Gold Colloid
Capping Agent	Nanopartz Organic Polymer
Solution	ETOH-0.25-0.25
Source	MGB15

SPR Peak	nm	measured	UV/VIS	523
SPR Abs	OD	measured	UV/VIS	1
pH		measured	Expt.	n/a
Zeta Potential	mV	measured	DLS	n/a
Diameter	nm	measured	TEM	75
Length	nm	measured	TEM	500
Aspect Ratio		calc		6.7
Concentration	nps/mL	calc		2.5E+10
Wt. conc.	mg/mL	calc		1.00
Concentration	ppm	calc		1000
Wt %	%	calc		0.1000%
Molarity	nM	calc		0.041
CTAB	mM	measured		10
Volume	mL	measured		0.25

Date	5/15/2020
Exp Date	11/11/2020

Alex Schoen, Manager Quality Control

Absorbance

