

NANOPARTZ™

The gold nanoparticle for nanotechnology

Certificate of Analysis

Product Family	Cubic Gold Nanoparticles
Product Number	A1C-60-CTAB-DIH-1-5
Lot #	
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water
Source	RPD241

Edge	nm	measured	TEM	60
SPR Abs	OD	measured	UV/VIS	1
PDI	stddev/size	measured	DLS	10%
SPR Peak	nm	measured	UV/VIS	536
pH		measured	Orion	7
Zeta Potential	mV	measured	DLS	35
Concentration	nps/mL	calc		1.20E+10
Wt. conc.	mg/mL	calc		0.050
ppm		calc		50
Wt. %	%	calc		0.0050%
Molarity	pM	calc		20.0
Number	moles	calc		2.00E-14
Molar Ext.	M-1cm-1	calc		5.00E+10
Abs Molar Ext.	M-1cm-1	calc		4.53E+10
Scat Molar Ext.	M-1cm-1	calc		4.75E+09
Surf Area	nm ²	calc		21600
CTAB	mM	measured		5
Volume	mL	measured		5

Date 3/12/2019
Exp Date 9/8/2019

Alex Schoen, Manager Quality Control

