

NANOPARTz™

The gold nanoparticle for nanotechnology

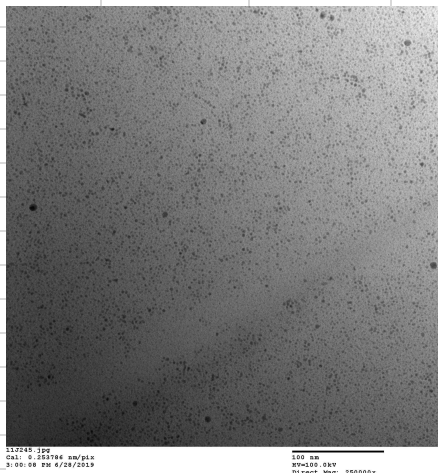
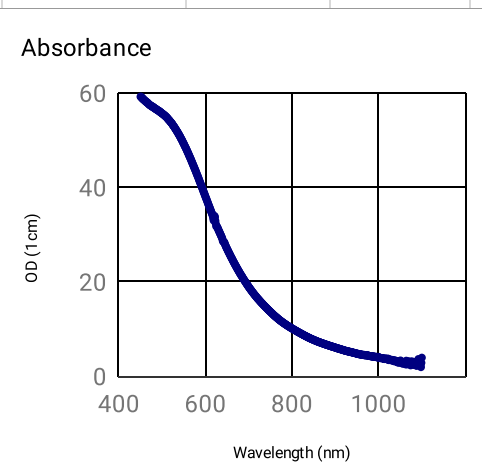
Certificate of Analysis

Product Family	Gold Nanoparticles for Neurodegenerative Disease Research		
Product Number	PND-Saline-2.5-1-CS-EP		
Lot #	SPEC		
Form	Gold Colloid		
Functionalization	Au:100Da PEG-Methyl		
Solution	18MEG DI Water		
Source	11J245		

				Actual	Spec Low	Spec High
Diameter	nm	measured	TEM,UVVIS	1.8	1.5	3
SPR Abs	OD	measured	UV/VIS	54	50	
PDI	stddev/size	measured	DLS/TEM	25%		
SPR Peak	nm	measured	UV/VIS	500		
pH		measured	Orion	7		
Zeta Potential	mV	measured	DLS	-18		
Concentration	nps/mL	calc		4.60E+16		
Wt. conc.	mg/mL	calc		2.7		
ppm		calc		2700		
Wt. %	%	calc		0.27%		
Molarity	uM	calc		7.66E+01		
Molar Ext.	M-1cm-1	calc		7.05E+05		
Loading	#/nm2	calc		1.2		
Loading	#/np	calc		12		
Loading	umoles	measured		9.35E-01		
Volume	ml	measured		1.0	1.0	

Date 8/21/2024
Exp Date 11/19/2024

Alex Schoen, Manager Quality Control



512245.jpg
043 0 253766 nm/pix
3:00:00 PM 6/28/2019

000 nm
800-1000 kV
Direct Magn: 250000x