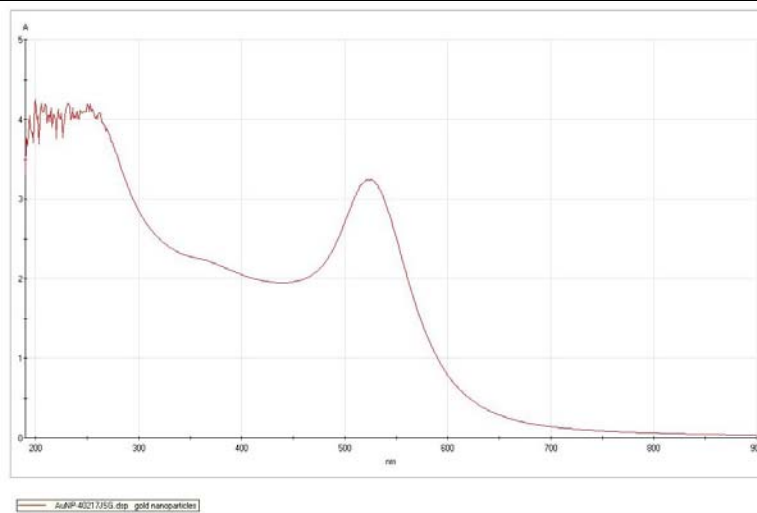


No. AO40

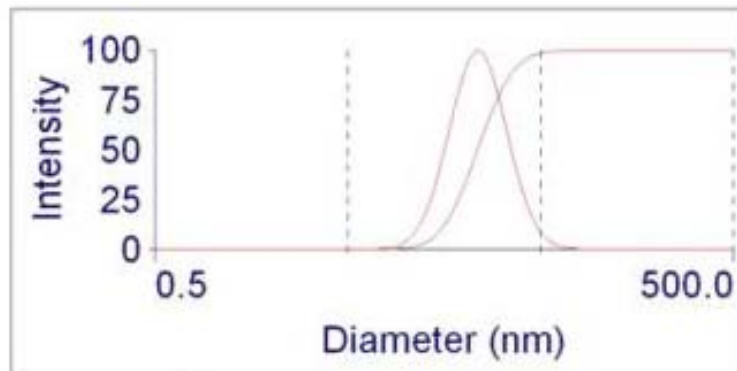
Certificate of Analysis

Product Name: Gold Nanoparticles – 25nm 0.4 mg/ml (Lot#: 40217JSG) (0.22um filtered, uncoated, aseptically packed in citrate buffer, contains 4ppm PEG1000 as stabilizer)

Properties	Result	Test Method
Appearance	Red, clear liquid	Observation
pH	5.6	Accumet AB15 pH meter
SPR absorbance	Max 526 nm (3.247A)	Genesys 6 UV/Vis vs DiH2O blank
Size	23.7 nm	Brookhaven 90+ (Mean, N=5)
PDI	0.125	Brookhaven 90+ (Mean, N=5)



UV-Vis Spectra: collected from original solution versus DI water blank using Genesys 6 spectrophotometer.



DLS Lognormal distribution plot: Collected from original sample using BrookHaven 90+