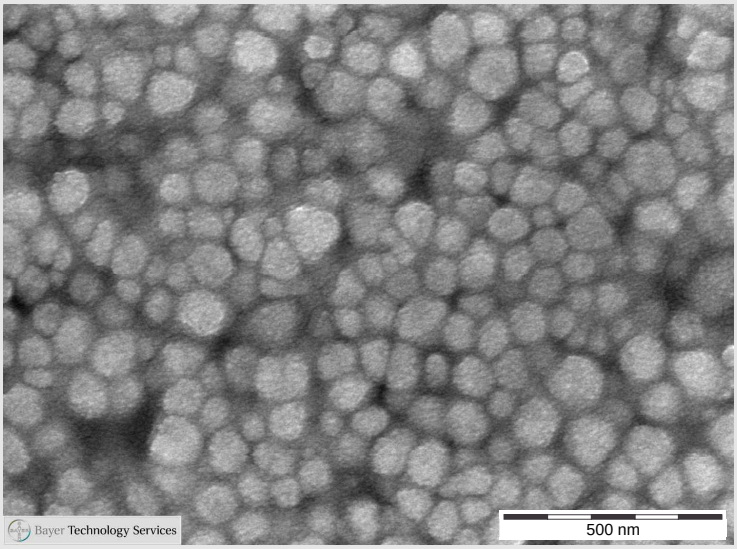
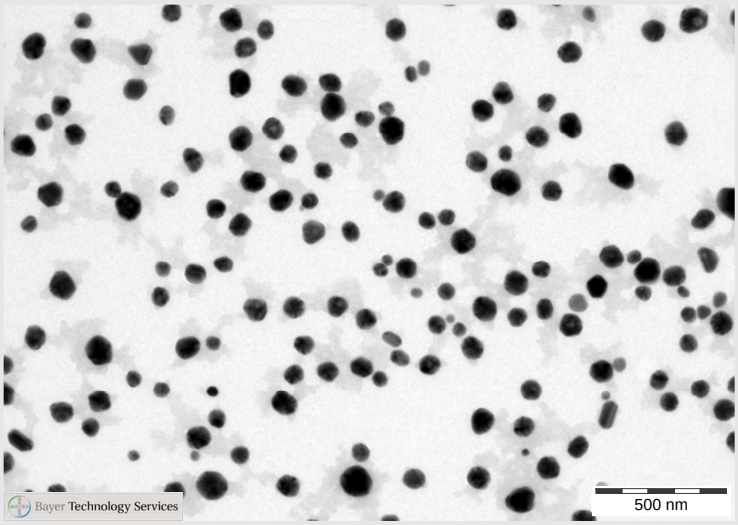
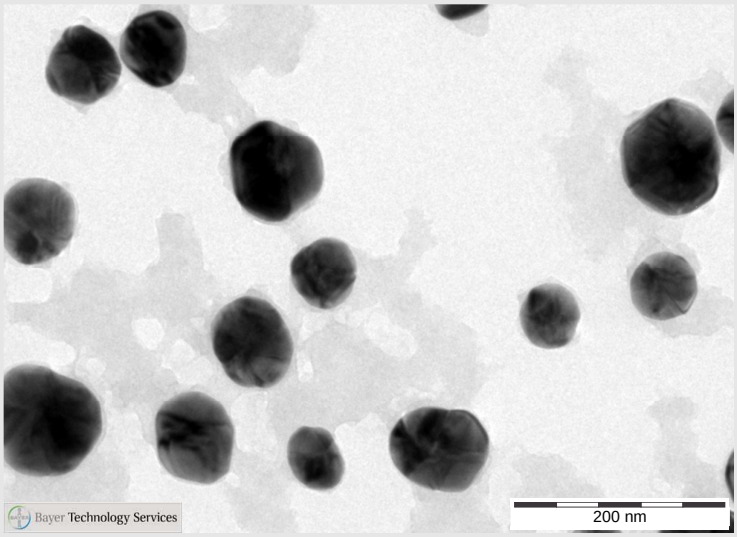
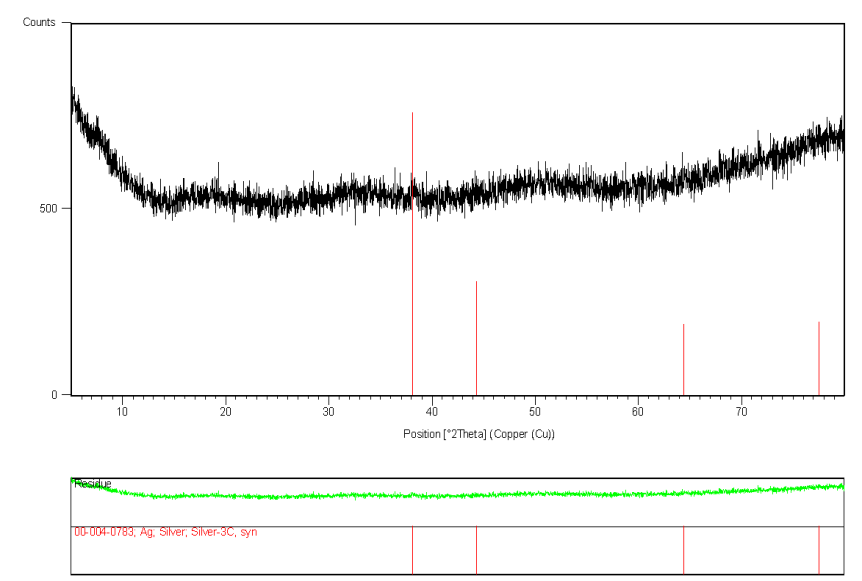
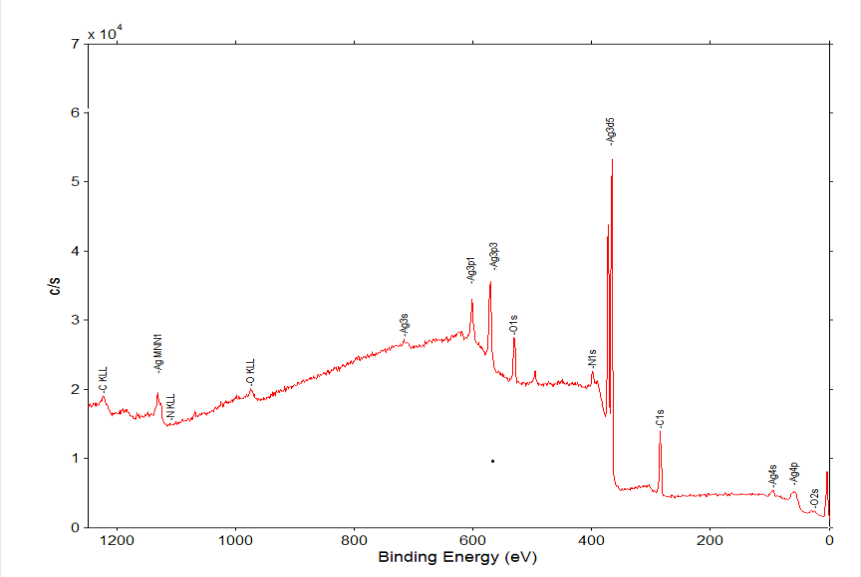
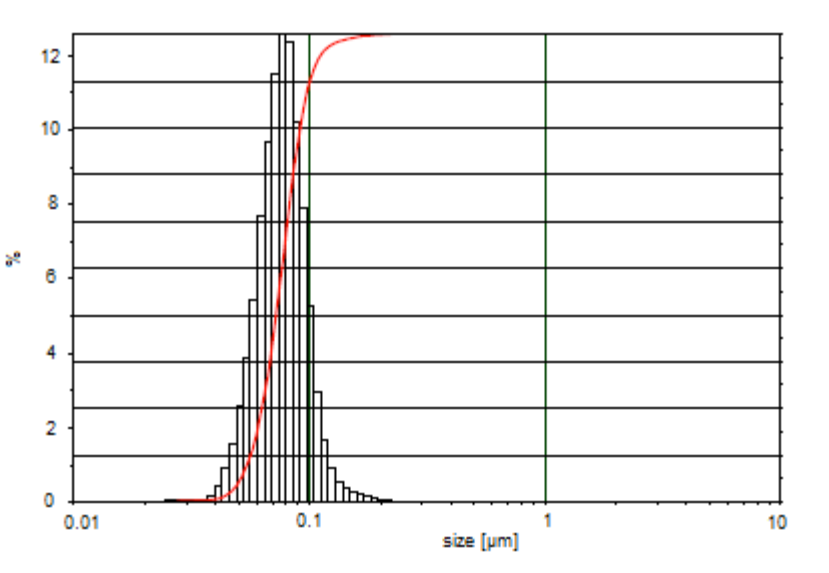
Material Ag (80 nm)

NanoTOES number	NanoTOES_Ag_80
Provider	Bayer Technology Services GmbH
Concentration	1 % (wt/wt) in water $1.03*10^{13}$ NPs/ml
Specific Surface Area	7.56 m^2/g
Size/ Size distribution & Agglomeration/ Aggregation state	DLS: (Correlation Func., Number Distribution) 101.3 nm +/-1.5 ; PDI= 0.115 TEM: d50= 78 nm, d90= 96 nm AC: d50= 77 nm, d90= 100 nm
Shape	quasi spherical
Crystal Structure	cubic
Surface Chemistry	XPS: Atom% C 59.1 O 17.5, Ag 15.9, N 7.5 SIMS: Ag, Cl, $C_xH_yO_z$
pH (in water)	5.9
Surface Charge	Zeta potential: - 12.5 mV+/- 0.5 IEP: ~ pH 3.6

Scanning (Raster) Electron Microscopy (SEM)	
Transmission Electron Microscopy (TEM)	 

X-ray Diffraction (XRD)	
X-ray Photoelectron Spectroscopy (XPS)	

Analytical Ultracentrifugation (AC)	
Zeta Potential & Isoelectric Point