In various embodiments, the organic polymer latex particle is smaller in size/diameter/volume than the primary capsule. For example, the organic polymer latex particles may comprise nanometer-sized polymer latex particles. The nanometer-sized polymer latex particles may have a size/diameter/particle size/particle size distribution/average particle size in the range of from about 50 nm to about 1000 nm, from about 50 nm to about 500 nm, from about 50 nm to about 300 nm, from about 100 nm to about 300 nm. In various embodiments, the nanometer-sized polymer latex particles have a size/diameter/particle size/particle size distribution/average particle size of about 200 nm. A desired thickness of polymer layer over the primary capsule may be achieved by determining the size/diameter/volume of the polymer latex particles to be used. In various embodiments, as the method uses polymer particle dispersions to form the second polymer layer (i.e. the coating layer), various embodiments of the disclosed method have the advantageous ability to control layer thickness in one step. In various embodiments, the method does not require multiple depositions or surface modifications and thus may allow for greater control over the wall thickness of capsules by leveraging on the polymer latex size i.e. the wall thickness are less influenced by the molecular weight of polymers. In various embodiments, the organic polymer latex particle is substantially non-capsular.

In various embodiments, the organic polymer latex particles have a polydispersity index (PDI) of from about 0.005 to about 1, from about 0.005 to about 0.50, from about 0.005 to about 0.80, from about 0.010 to about 0.200, from about 0.015 to about 0.150, from about 0.020 to about 0.100, from about 0.025 to about 0.090 or from about 0.030 to about 0.080. In one example, the organic polymer latex particles may have a PDI of from about 0.005 to about 0.050 at about 40°C and a PDI of from about 0.050 to about 0.100 at about 20°C. In another example, the organic polymer latex particles may have a PDI of from about 0.010 to about 0.050 at about 40°C and a PDI of from about 0.050 to about 0.160 at about 20°C. In yet another example, the organic polymer latex particles