

**Figure S1.** Particle size distribution of CLX obtained at different concentration of the CLX-acetone solution.



**Figure S2.** Particle size distribution of CLX obtained at different temperature (top) and stirring speeds (down).

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**Figure S3.** XRD patterns of CLX: (up) untreated CLX and (down) micronized CLX obtained under optimum condition.

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**Figure S4.** FT-IR spectra of CLX: (up) untreated CLX and (down) micronized CLX obtained under optimum condition