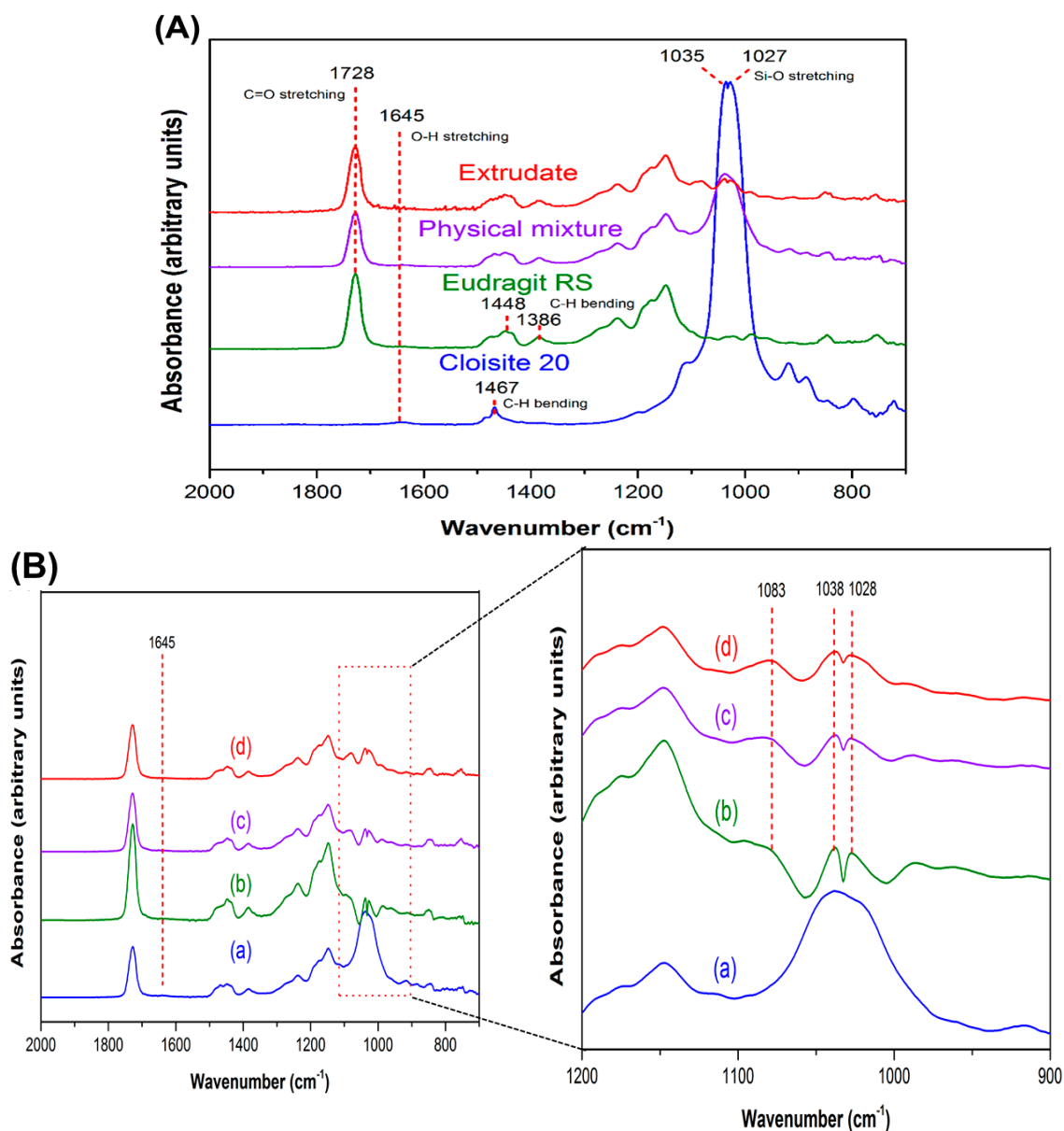
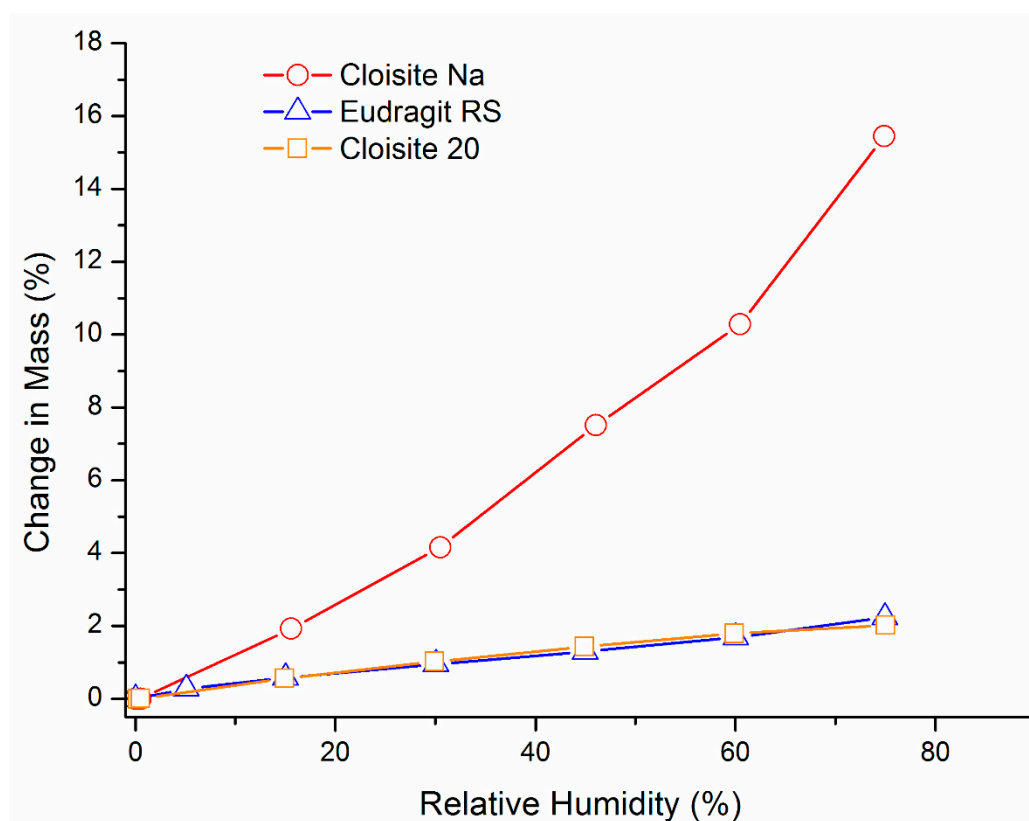


# Supplementary Materials: Clay-Polymer Nanocomposites Prepared by Reactive Melt Extrusion for Sustained Drug Release

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**Figure S1.** FTIR profiles of Cloisite 20 extrudates. **(A)** From bottom to top, (a) 5% Cloisite 20-95% Eudragit RS physical mixture; (b) Cloisite 20 extrudates at 5% clay loading; (c) Cloisite 20 extrudates at 10% clay loading; (d) Cloisite 20 extrudates at 15% clay loading. **(B)** From bottom to top, (a) 5% Cloisite 20-95% Eudragit RS physical mixture; (b) Cloisite 20 nanocomposite at 5% clay loading; (c) Cloisite 20 nanocomposite at 10% clay loading; (d) Cloisite 20 nanocomposite at 15% clay loading.



**Figure S2.** DVS profiles comparison of Cloisite Na, Eudragit RS and Cloisite 20.