(Supporting Information)

In situ monitoring of anti-solvent co-crystallization by combining NIR and Raman spectroscopies

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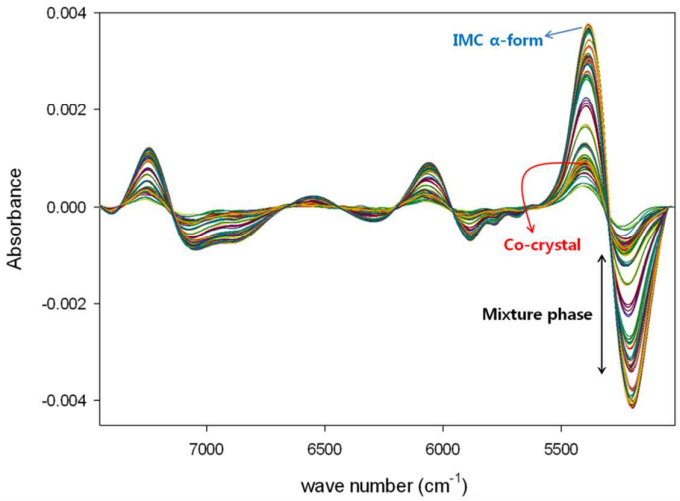

Figure S-1: Second derivatives of NIR spectra for IMC a-form, IMC-SAC co-crystal and mixture phase collected during calibration batches.

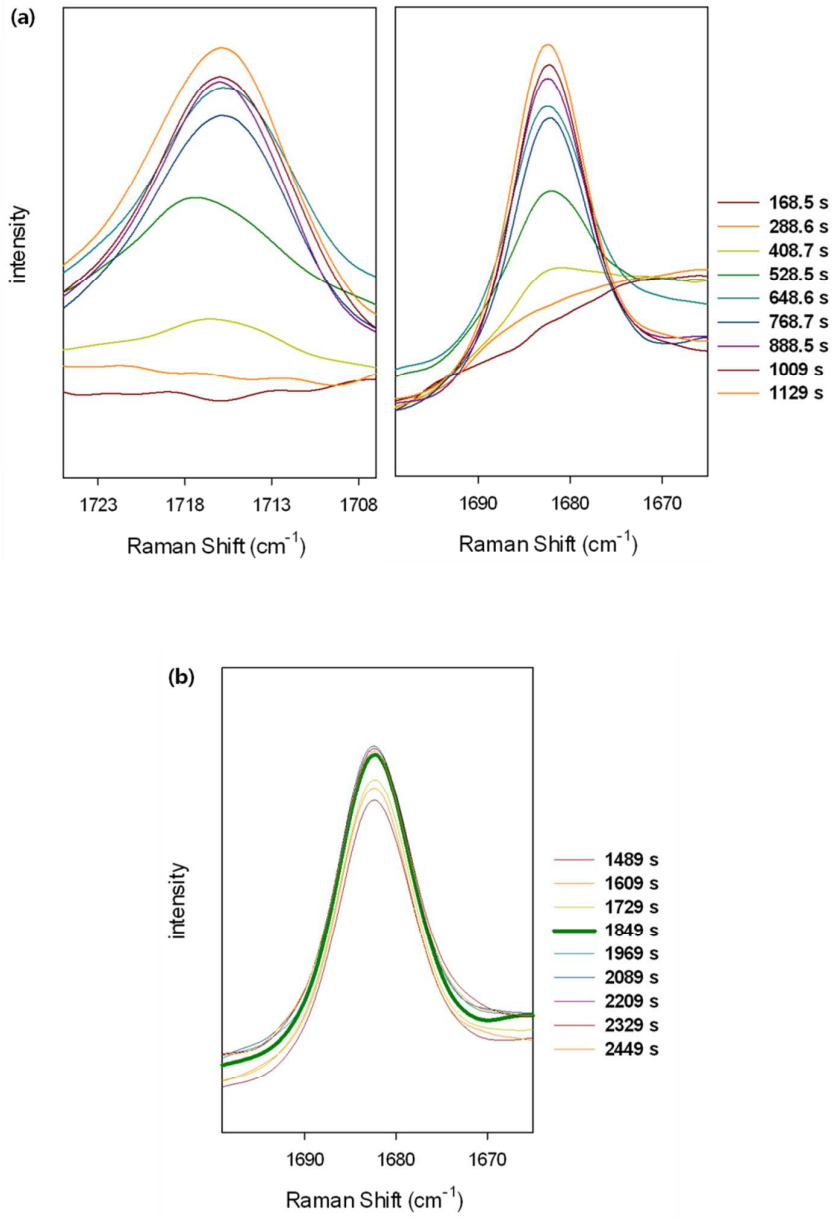

Figure S-2: Changes in the Raman peaks around 1717 cm^{-1} and 1683 cm^{-1} at (a) the nucleation period and (b) the stage of phase equilibrium during Exp 6.

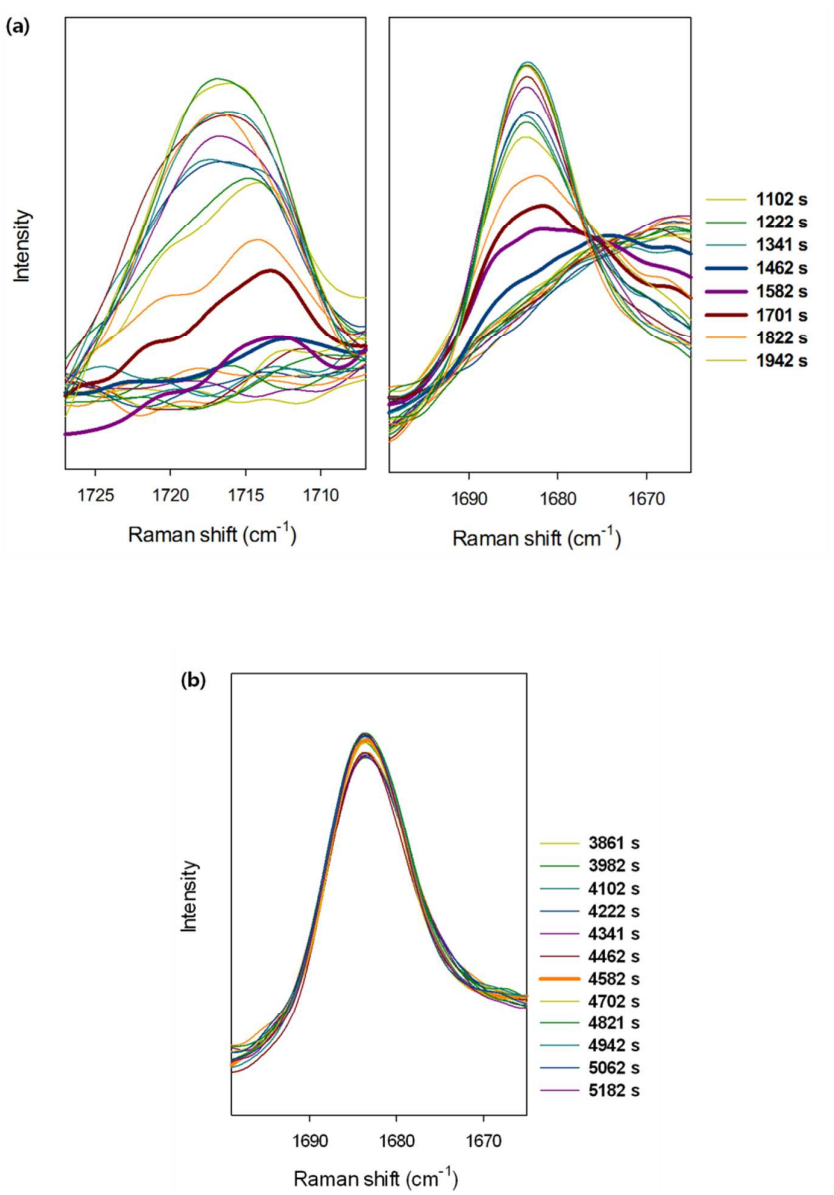

Figure S-3: Changes in the Raman peaks around 1717 cm^{-1} and 1683 cm^{-1} at (a) the nucleation period and (b) the stage of phase equilibrium during Exp 7.

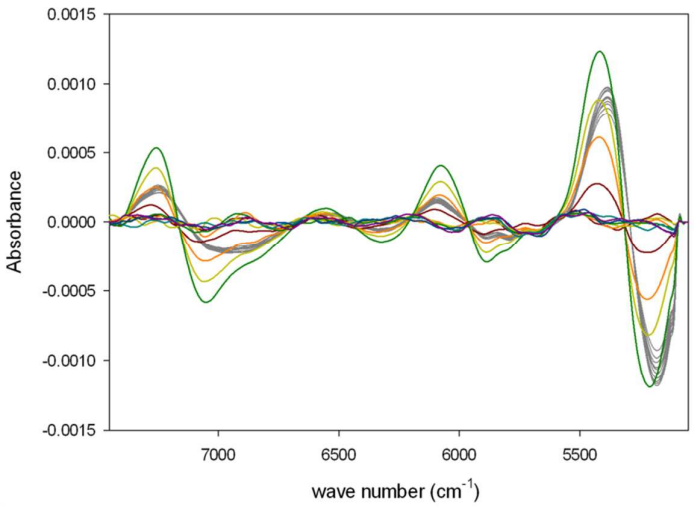

Figure S-4: Second derivatives of NIR spectra for IMC-SAC co-crystal (gray lines) and IMC a-form (color lines) collected in the initial stages of nucleation for Exp 6 and Exp 8, respectively.

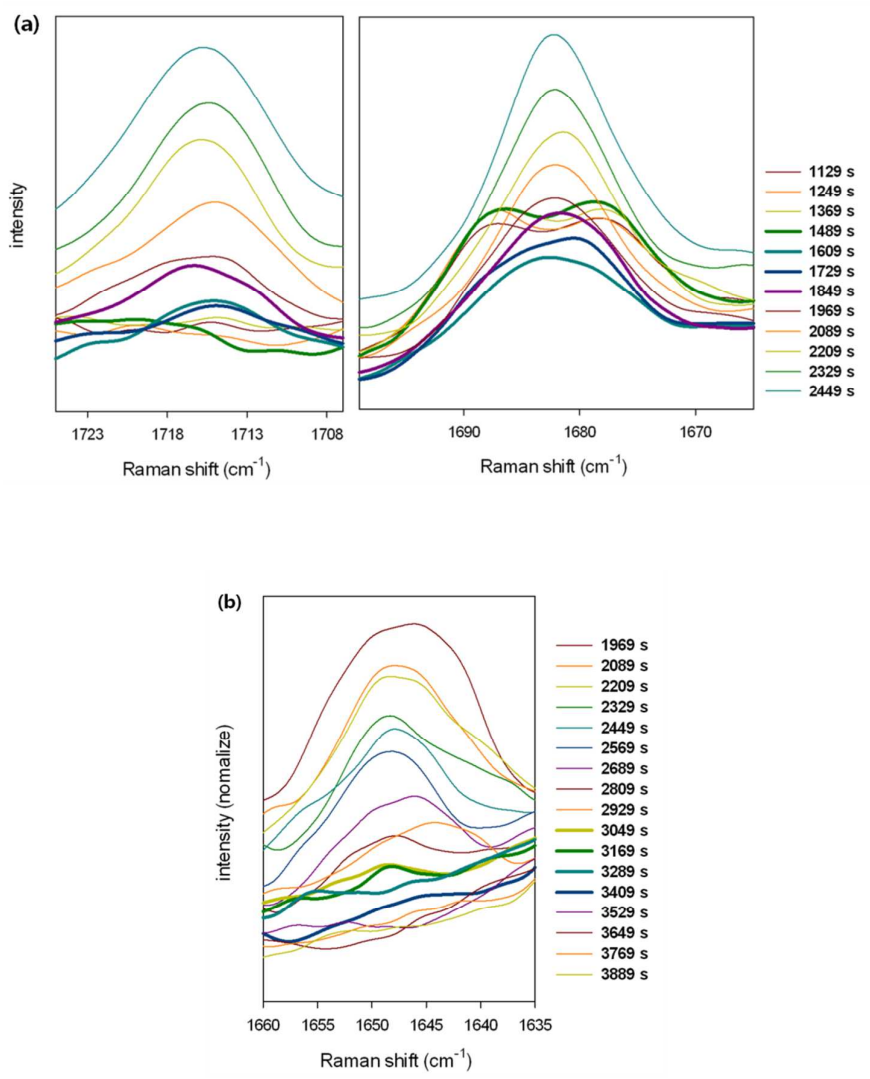

Figure S-5: Changes in Raman peaks (a) around of 1717 cm^{-1} and 1683 cm^{-1} at the time of co-crystal nucleation and (b) around of 1650 cm^{-1} at the stage of the disappearance of IMC α-form during Exp 8.