

## Supporting Information

### Slow Dynamics, Hydration and Heterogeneity in Laponite Dispersions

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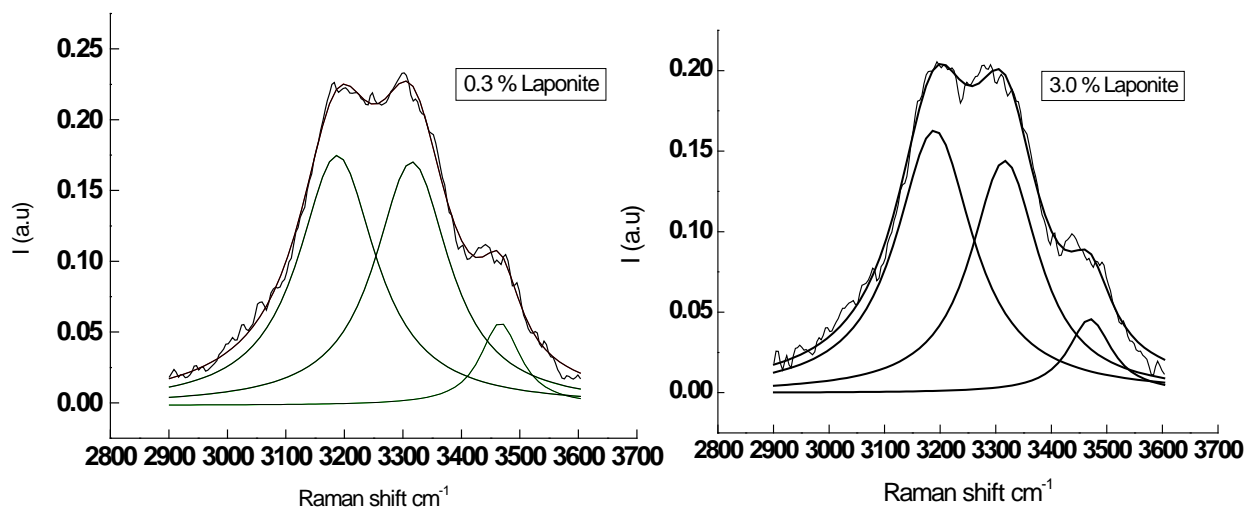
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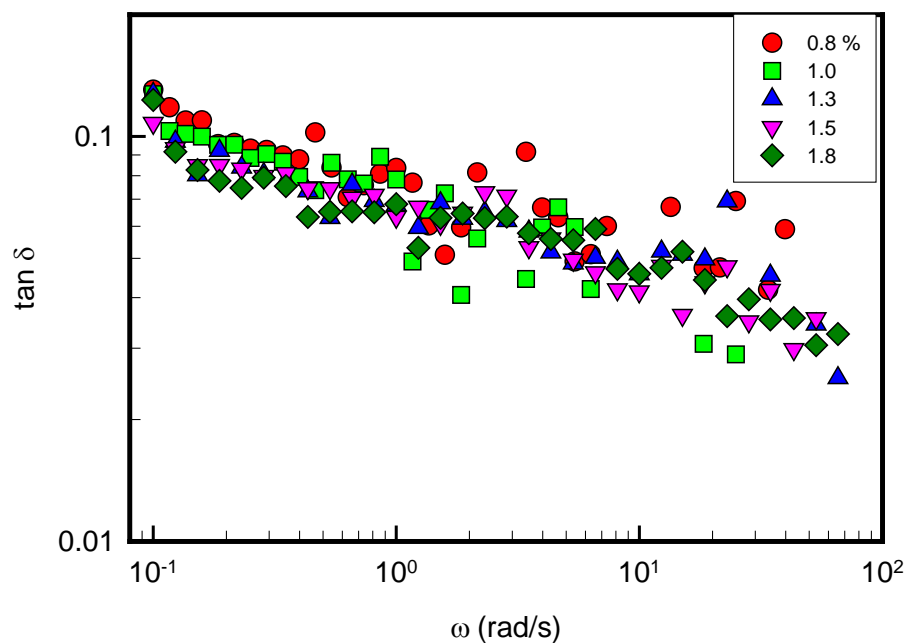
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**Figure S1.** Representative deconvolution of raw Raman spectra of 0.3% and 3.0% (w/v) Laponite dispersions. The best result was observed for three component Lorentzian fitting where  $\chi^2 > 0.99$  for all the cases.



**Figure S2.** The loss tangent of Laponite dispersions at different concentrations below 2% (w/v).