Electronic supplementary information

Design of latex-layered double hydroxide composites by tuning the aggregation in suspensions

Marko Pavlovic,[a] Paul Rouster,[a] Elodie Bourgeat-Lami,[b] Vanessa Prevot[c,d] and Istvan Szilagyi*[a]

[a]*Department of Inorganic and Analytical Chemistry, University of Geneva, 30 Quai Ernest-Ansermet, CH-1205 Geneva, Switzerland*

[b]*Univ. Lyon, Université Claude Bernard Lyon 1, CPE Lyon, CNRS, UMR 5265, Laboratoire de Chimie, Catalyse, Polymères et Procédés (C2P2), LCPP group, 43, Bd. du 11 Novembre 1918, F-69616 Villeurbanne, France*

[c]*Université Clermont Auvergne, Université Blaise Pascal, Institut de Chimie de Clermont-Ferrand, BP 10446, F-63000 Clermont-Ferrand, France*

[d]*CNRS, UMR 6296, F-63178 Aubière, France*

Corresponding author. E-mail: istvan.szilagyi@unige.ch; Tel: +41 22 3796031

Table S1. Chemical analysis and structural data for LDH phases.

Sample	Mg/Al	C/Al	N/Al	H_2O[a]	c (nm)[b]	a (nm)[b]
Mg/Al-CO_3	2.8	0.6	0	2.1	0.234	0.305
Mg/Al-NO_3	2.8	0.2	0.7	2.6	0.249	0.305

[a]Calculated from TGA. [b]Considering a R-3m space group

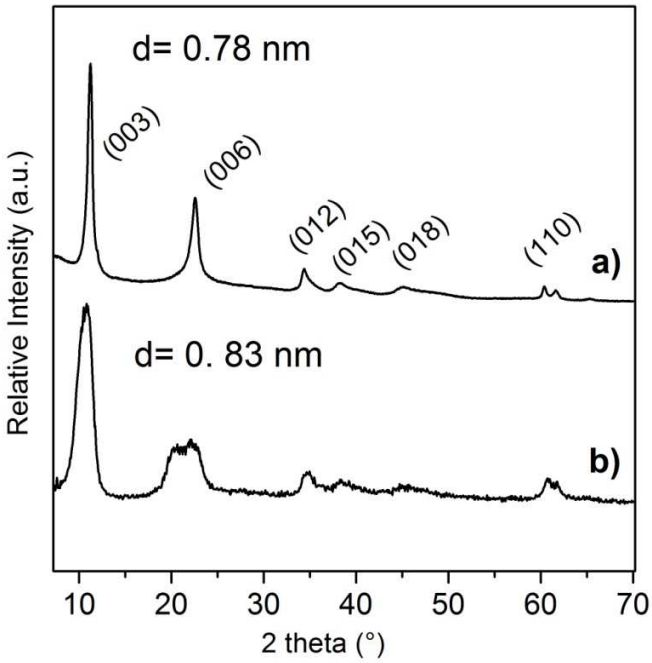

Fig. S1 Powder XRD patterns of the **Mg/Al-CO_3** (a) and **Mg/Al-NO_3** (b) particles.

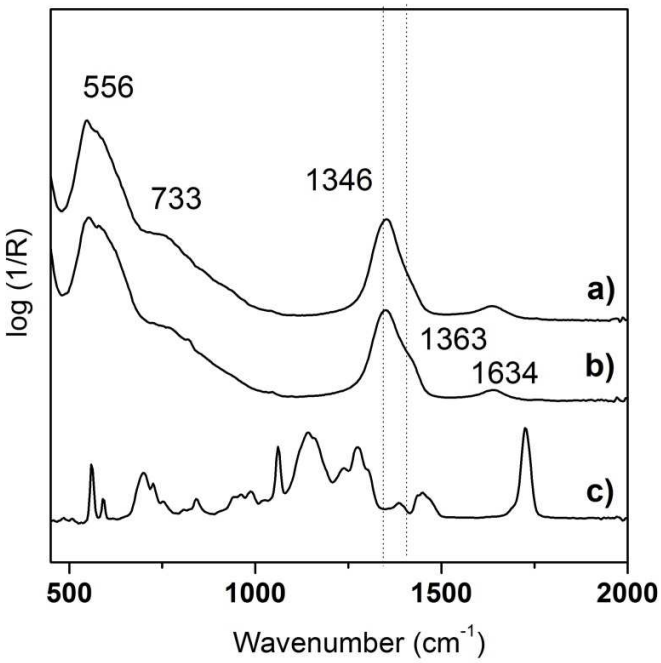

Fig. S2 FT-IR spectra of the **Mg/Al-CO_3** (a) and **Mg/Al-NO_3** (b) and latex (c) particles.