For pillaring, method described in paper: V. Kaloidas, C.A. Koufopanos, N.H. Gangas, N.G. Papayannakos, **Scale-up studies for the preparation of pillared layered clays at 1 kg per batch level,** Microporous Mater. 5 (1995) 97-106, was applied.

For deconvolution of UV-Vis spectra MagicPlot Pro 2.7.2 software was used: <https://magicplot.com/downloads.php>