Mid-Infrared Spectroscopy and Multivariate Analysis to Characterize Lactobacillus acidophilus Fermentation Processes

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Figure S1. MCR-BANDS results for verification of rotational ambiguity of (a) MCR(i) (with spectral normalization and non-negativity constraint) Component 1 and (b) Component 2 for one representative industrial-scale batch. (c) MCR(i) Component 1 and (d) Component 2 for one representative lab-scale batch.

Table II. Effect of constraints on rotation ambiguity of MCR(i) solutions for industrial and lab-scale results measured by the components relative contribution function maximum and minimum values.

| Industrial scale |
Figure S2. Peak fitting on selected MIR vibrations for (a) industrial scale Batch 6; (b) 0h and 10h spectra as example, data and model-fit; (c) post-processing fit on time trajectories.