Combining steric and electrostatic stabilization using hydrophilic macroRAFT agents in an \textit{ab initio} emulsion polymerization of styrene

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\begin{figure}
\centering
\includegraphics[width=\textwidth]{figure_S1}
\caption{FT-IR spectrum of cleaned and dried particles from L4 (PEO-\textit{b}-P(DMAEMA/H'Cl)-RAFT; see Table 1 for details).}
\end{figure}

More evidence of the incorporation of the block copolymer at the surface of the particles was given by FT-IR analyses of the washed and dried latex. The characteristic band of the carbonyl of DMAEMA repetitive unit was observed at 1729 cm\textsuperscript{-1}. On the other hand, the
characteristic bands of PEO segment (C-O-C at 1115 cm$^{-1}$) were not detectable since superimposed in this area with bands of PS and PDMAEMA.