Supplementary Material

Recovery of the PHA Copolymer P(HB-co-HHx) with Non-Halogenated Solvents: Influences on Molecular Weight and HHx-Content

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Figure S1 | 1H NMR spectrum of P(HB-co-HHx) with chloroform at RT for 2 h and precipitated with heptane. 1H NMR (CDCl3, 400 MHz): δ = 5.17 – 5.23 (m, 1H), 5.17 – 5.23 (m, 1H), 2.46 – 2.61 (m, 2H), 2.39 – 2.45 (m, 2H), 1.48 – 1.56 (m, 2H), 1.27 – 1.31 (m, 2H), 1.23 (d, J=6.3 Hz, 3H), 0.87 ppm (t, J = 7.3 Hz, 3H).
Figure S2 | $^{13}$C-APT NMR spectrum of P(HB-co-HHx) extracted with chloroform at RT for 2 h and precipitated with heptane. $^{13}$C-APT NMR (CDCl$_3$, 100 MHz): δ = 169.2 (+), 169.1 (+), 70.5 (-), 67.6 (-), 40.7 (+), 39.2 (+), 36.0 (+), 19.7 (-), 18.3 (+), 13.7 (-) ppm.
Figure S3 | $^1$H NMR spectrum of P(HB-co-HHx) extracted with ethyl acetate at RT for 2 h and precipitated with 2-propanol. $^1$H NMR (CDCl$_3$, 400 MHz): $\delta = 5.17 - 5.23$ (m, 1H), 5.17 – 5.23 (m, 1H), 2.46 – 2.61 (m, 2H), 2.39 – 2.45 (m, 2H), 1.48 – 1.56 (m, 2H), 1.27 – 1.31 (m, 2H), 1.23 (d, $J$=6.3 Hz, 3H), 0.87 ppm (t, $J = 7.3$ Hz, 3H).
Figure S4 | $^{13}$C-APT NMR spectrum of P(HB-co-HHx) extracted with ethyl acetate at RT for 2 h and precipitated with 2-propanol. $^{13}$C-APT NMR (CDCl$_3$, 100 MHz): $\delta =$ 169.2 (+), 169.1 (+), 70.5 (+), 67.6 (-), 40.7 (+), 39.2 (+), 36.0 (+), 19.7 (-), 18.3 (+), 13.7 (-) ppm.
Figure S5 | Zoom of $^{13}$C-APT NMR spectrum of P(HB-co-HHx) extracted with acetone at RT for 2 h and precipitated with 2-propanol. Peaks were used for calculation of randomness.
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Figure S6 | Zoom of $^{13}$C-APT NMR spectrum of P(HB-co-HHx) extracted with chloroform at RT for 2 h and precipitated with heptane. Peaks were used for calculation of randomness.
Figure S7 | Zoom of $^{13}$C-APT NMR spectrum of P(HB-co-HHx) extracted with ethyl acetate at RT for 2 h and precipitated with 2-propanol. Peaks were used for calculation of randomness.