

Supplementary materials

Flexible and Transparent Polymer-Based Optical Humidity Sensor [†]

Katerina Lazarova ^{1,*}, Silvia Bozhilova ², Sijka Ivanova ², Darinka Christova ² and Tsvetanka Babeva ^{1,*}

¹ Institute of Optical Materials and Technologies "Acad. J. Malinowski", Bulgarian Academy of Sciences, Akad. G. Bonchev str., bl. 109, 1113 Sofia, Bulgaria; klazarova@iomt.bas.bg (K.L.); babeva@iomt.bas.bg (T.B.);

² Institute of Polymers, Bulgarian Academy of Sciences, Akad. G. Bonchev Str., bl. 103-A, 1113 Sofia, Bulgaria; s.bozhilova@polymer.bas.bg (S.B.); sivanova@polymer.bas.bg (S.I.); dchristo@polymer.bas.bg (D. Ch.);

* Correspondence: klazarova@iomt.bas.bg (K.L.); babeva@iomt.bas.bg (T.B); Tel.: +359 02-979-3521 (K.L.)

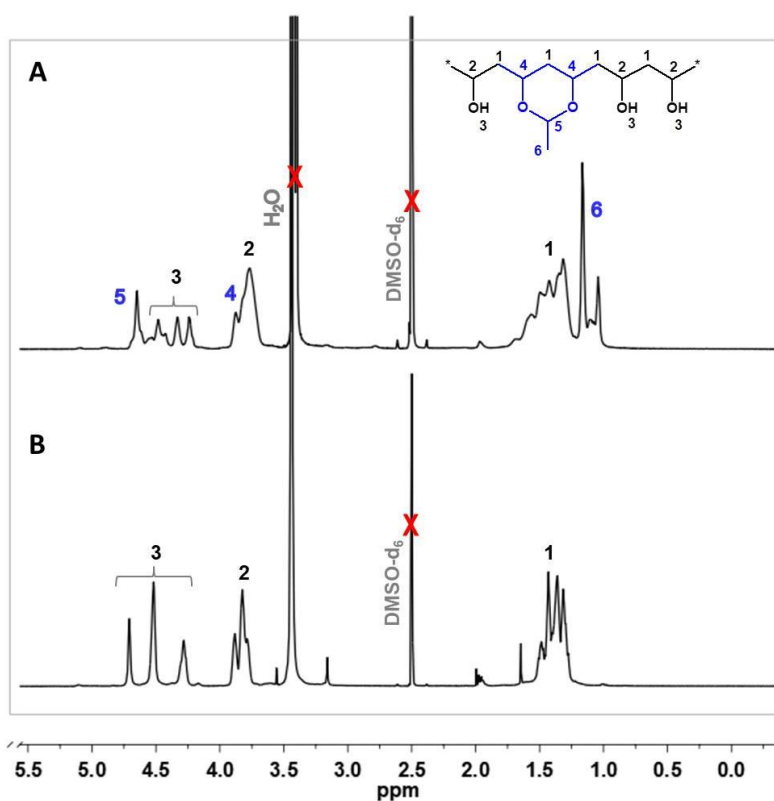


Figure S1. ¹H NMR (250 MHz; solvent DMSO-d₆) spectrum of PVA-Ac (A) compared to the spectrum of starting PVA (B).

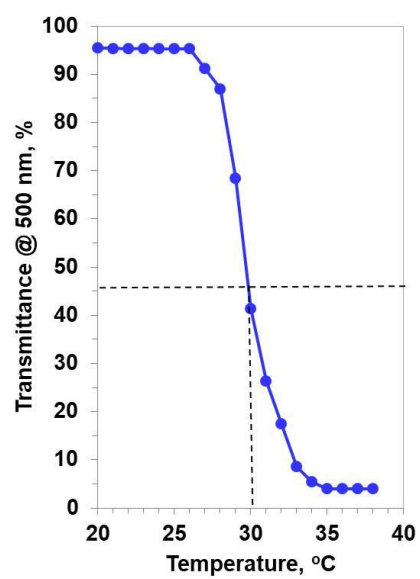


Figure S2. Clouding curve of PVA-Ac aqueous solution of concentration 5 g.L⁻¹. The cloud point is counted at the inflection of transmittance-vs-temperature curve.