A PGSE-NMR study of molecular self-diffusion in lamellar phases doped with polyoxometalates

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Supplementary Information

Supporting Information Available:

Figure S1 of the ^{31}P NMR spectrum of a doped L_α phase.

Figure S2 of the ^{31}P PGSE-NMR decays.

This information is available free of charge via the Internet at http://pubs.acs.org/

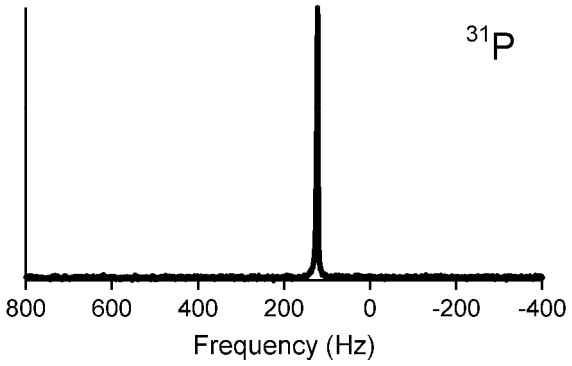

Figure S1: ^{31}P NMR spectrum of a doped L_α phase. The width of the PO_4^{3-} peak is approximately 3 Hz.

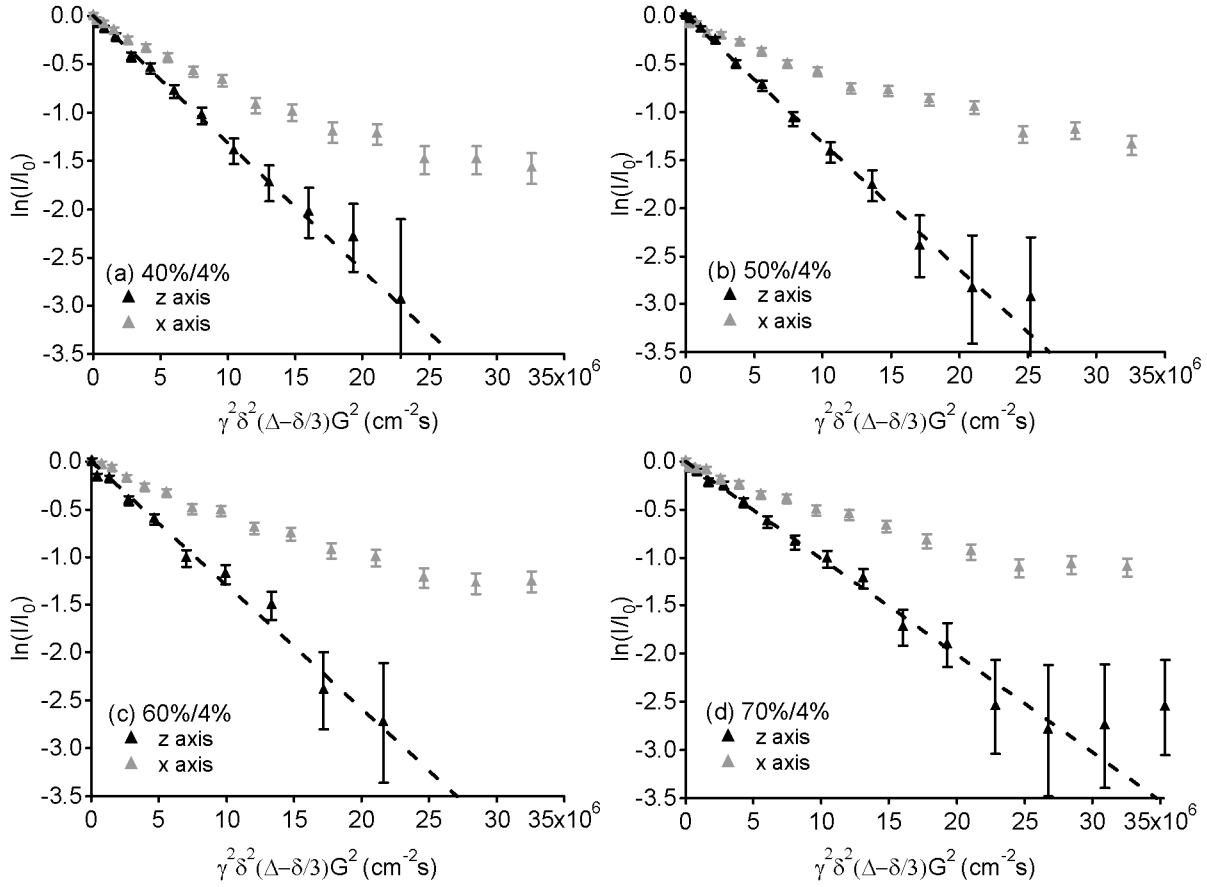

Figure S2: ^{31}P PGSE-NMR decays for aligned samples with ϕ_{POM} = 3.5% and A)ϕ_{Surf} = 40%, B)ϕ_{Surf} = 50%, C)ϕ_{Surf} = 60%, and D)ϕ_{Surf} = 70%. The black triangles correspond to a gradient applied along the z-axis direction, and the grey triangles along the x- or y-axis directions (Diffusion time Δ = 50 ms). The diffusion anisotropy is clearly demonstrated by the change of gradient. The dotted lines are linear fits to the data using the Stejskal-Tanner equation.