

## Supplementary Material

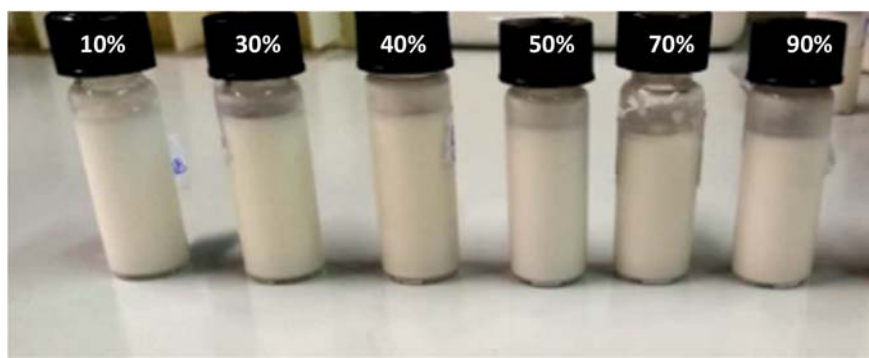
# Phase Inversion and Interfacial Layer Microstructure in Emulsions Stabilized by Glycosurfactant Mixtures

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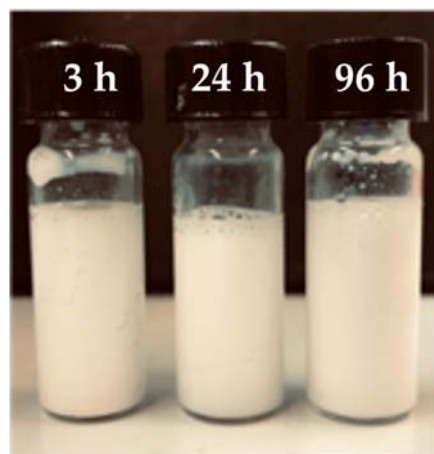
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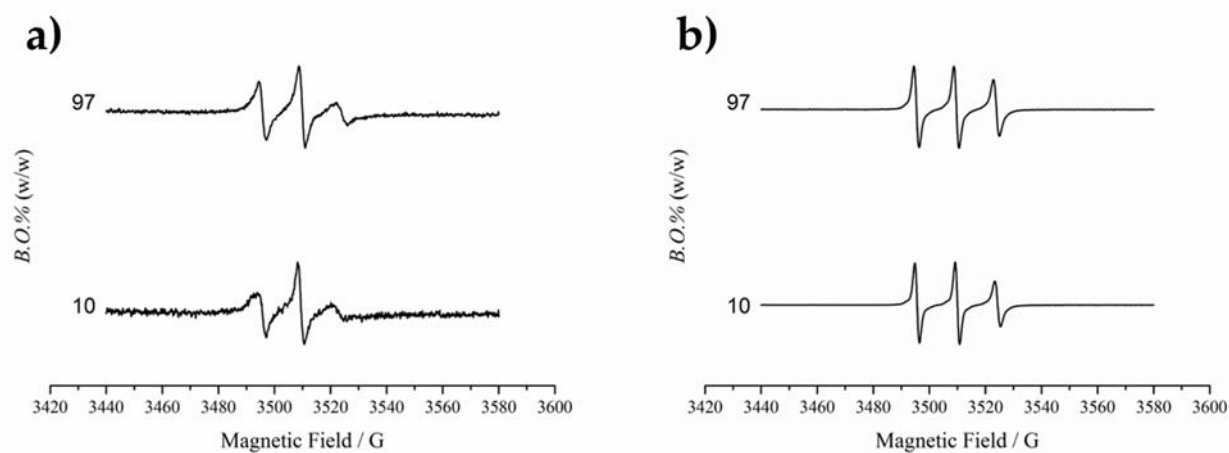
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**Figure S1.** Water/L.O./(Tween80 + Span80) emulsion samples after 3 h from preparation. The total surfactant amount was fixed to 4% in weight with respect to the total sample amount and surfactant compositions was  $\alpha_{Span80} = 0.4$  in all samples. The oil content L.O.% is indicated in the labels.



**Figure S2.** Water/L.O./(Tween80 + Span80) emulsion samples. The total surfactant amount was fixed to 4% in weight with respect to the total sample amount, surfactant composition and the oil content were  $\alpha_{Span80} = 0.4$  and L.O.% = 40 in all the samples. Time from preparation is indicated in the labels.



**Figure S3.** Electron paramagnetic resonance (EPR) spectra of 5-DSA (a) and 16-DSA (b) in water/B.O./ (Tween80+Span80) emulsions at 25 °C, recorded within 3 h from sample preparation. The total surfactant amount was fixed to 4% in weight with respect to the total sample amount and surfactant compositions was  $\alpha_{Span80} = 0.4$  in all samples. The oil content is indicated in the labels of the figures.