**\*Supplementary Material**

Revealing the structure formation on polyglycerol citrate polymers – an environmentally friendly polyester as a coating material

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Figure S1. Thermogravimetric analyses of pristine Cit and Gly.



Figure S2. 13C NMR of pristine citric acid (a) and glycerol (b).



Figure S3. 1H NMR of pristine citric acid (a) and glycerol (b).



Figure S4. Hydrodynamic size distribution of PGCit in pH 7.