

Supplementary Materials:

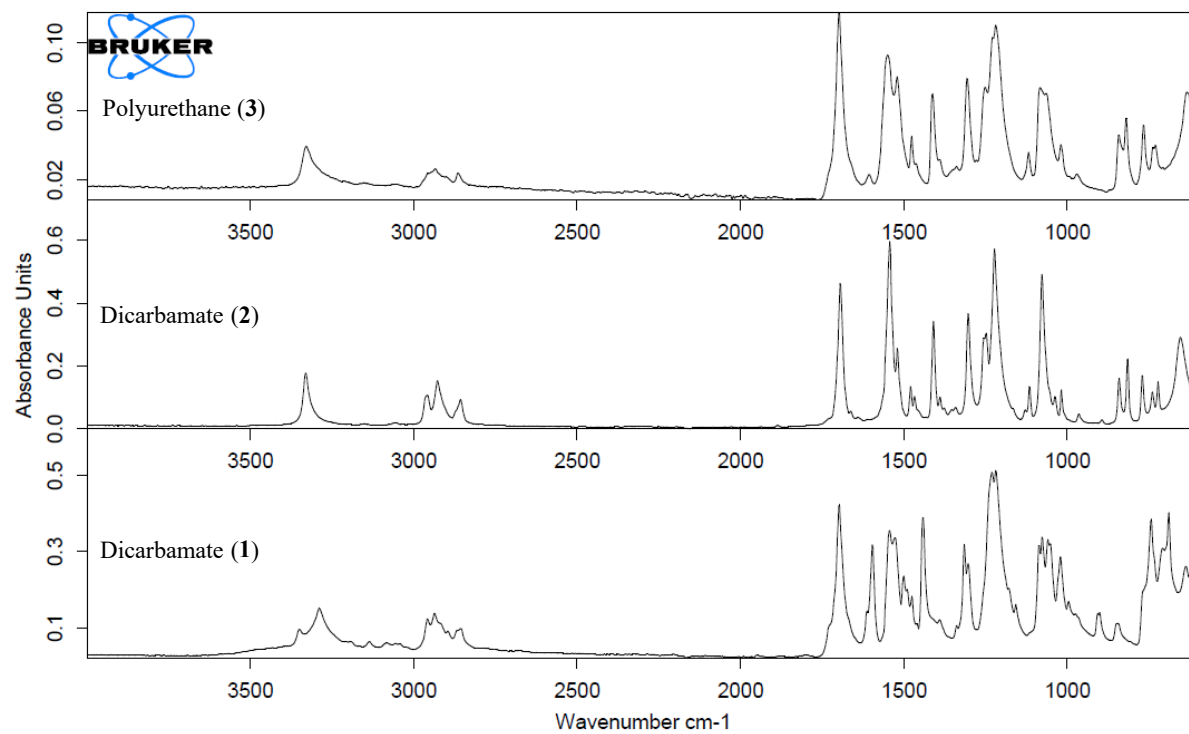


Figure S1: FT-IR results of model polyurethane (3) and dicarbamates (1 and 2).

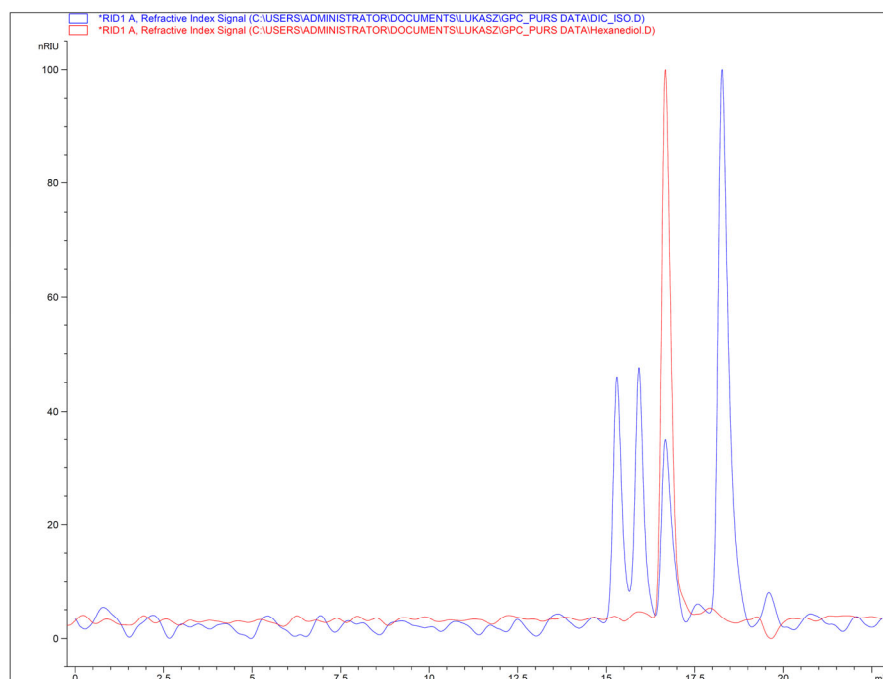


Figure S2: GPC chromatogram of the glycolysis result for dicarbamate (1) (blue peaks) overlap with chromatogram of 1,6-hexanediol (red peak)

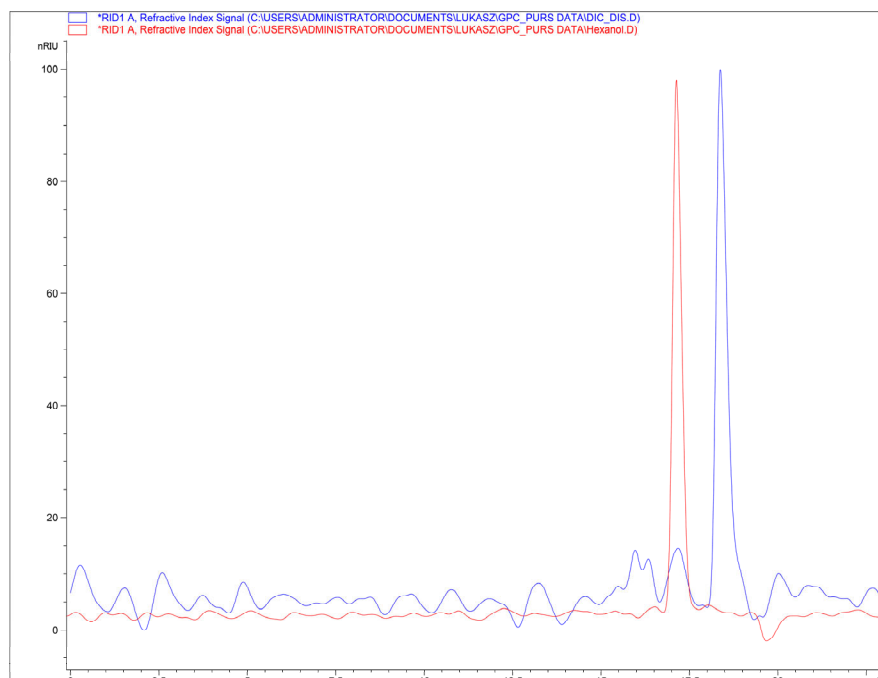


Figure S3: GPC chromatogram of the glycolysis result for carbamate (**2**) (blue peaks) overlap with chromatogram of 1-hexanol (red peak)

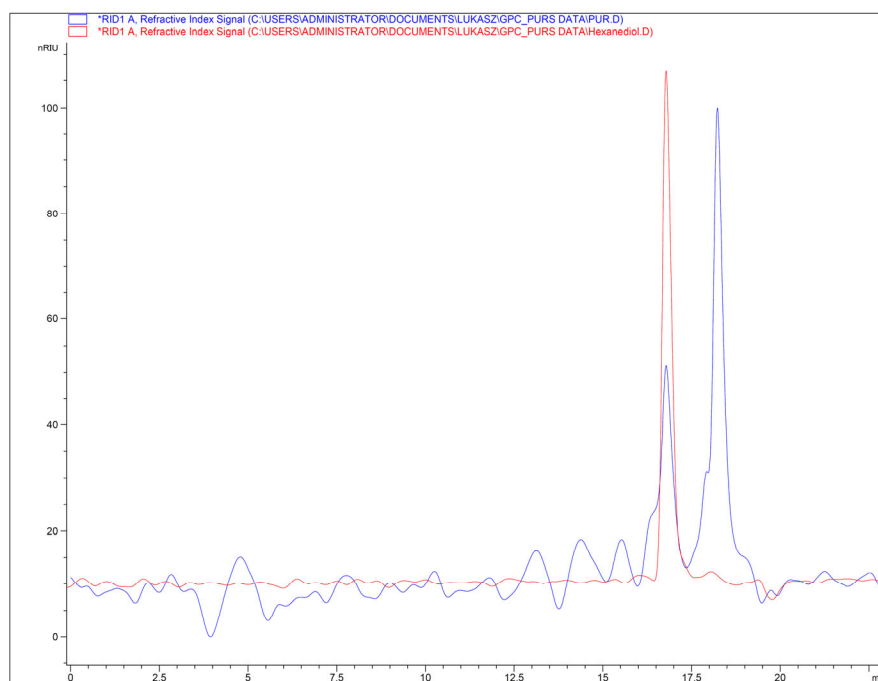


Figure S4: GPC chromatogram of the glycolysis result for polyurethane (**3**) (blue peaks) overlap with chromatogram of 1,6-hexanediol (red peak)