

Electronic Supporting information

One-pot FDCA diesters synthesis from mucic acid and their solvent-free regioselective polytransesterification for production of glycerol-based furanic polyesters

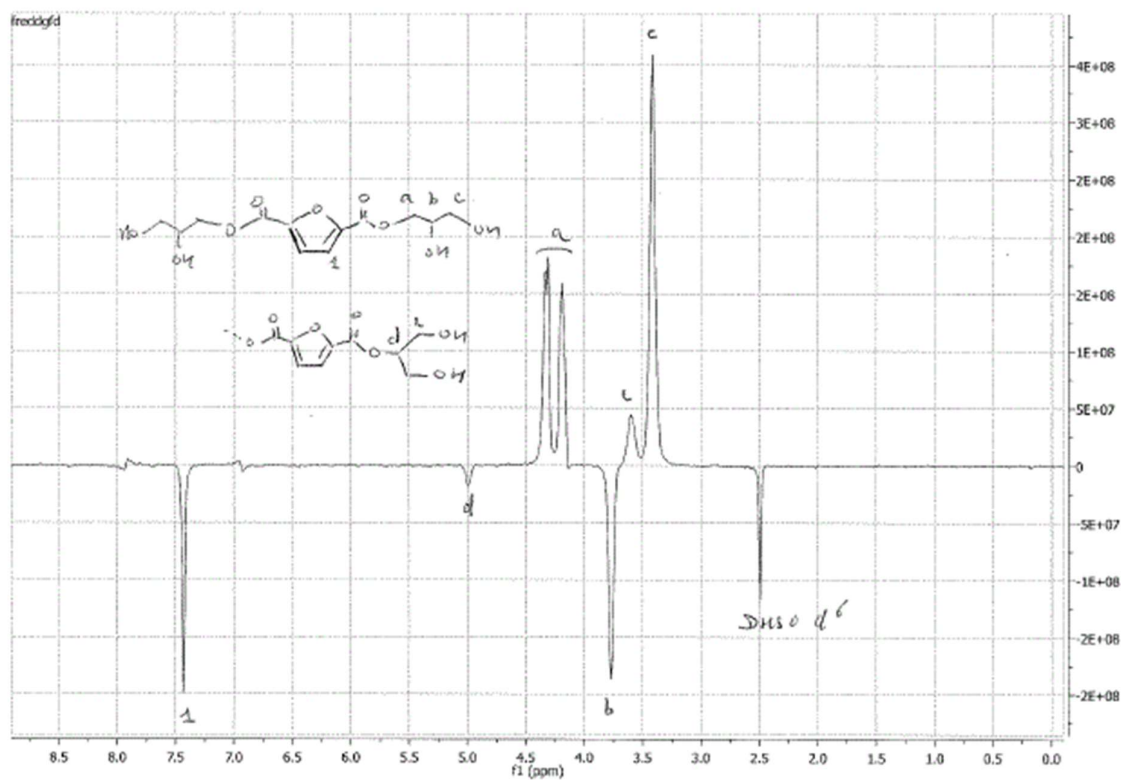
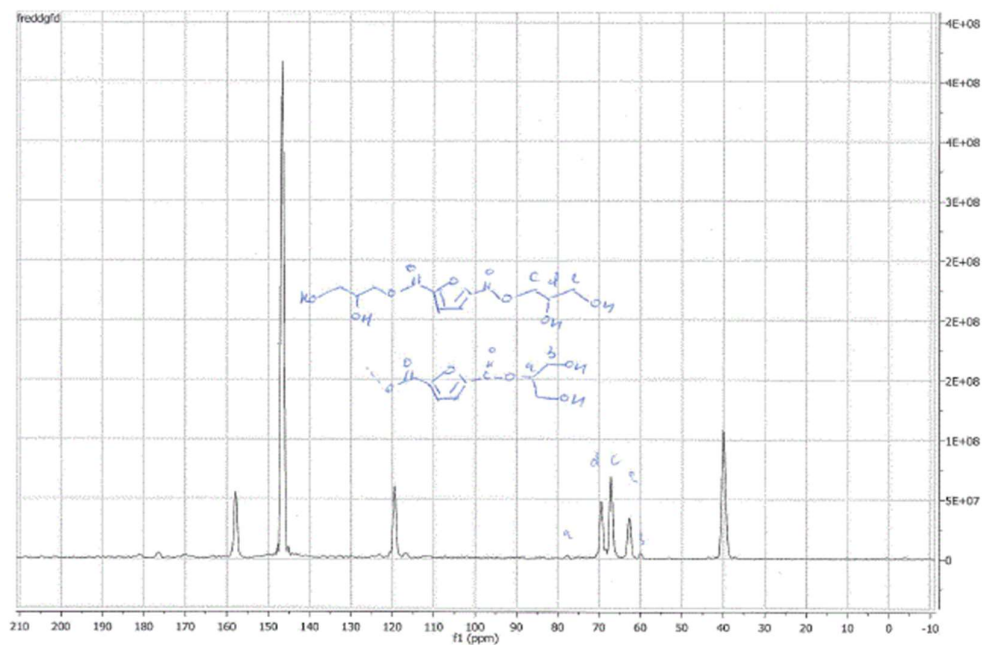
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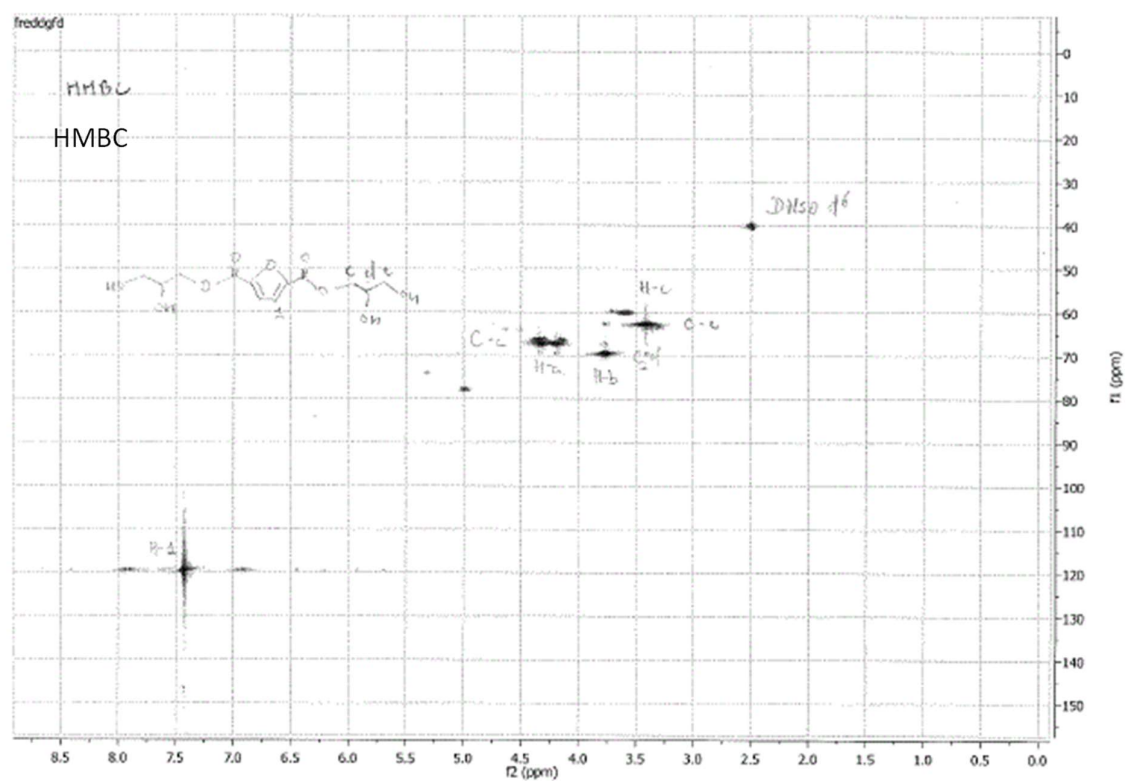
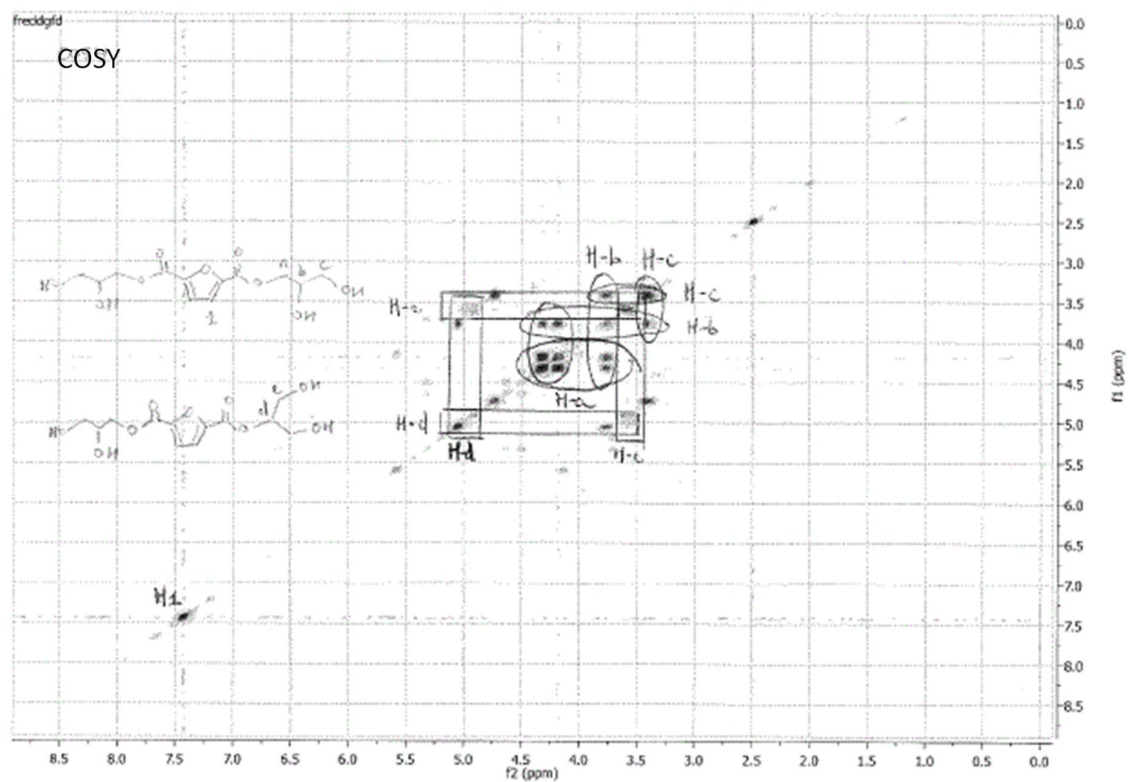


Figure S1. 2D-NMR sequences of BDHPFDC: COSY (^1H - ^1H) and HMBC (^1H - ^{13}C).

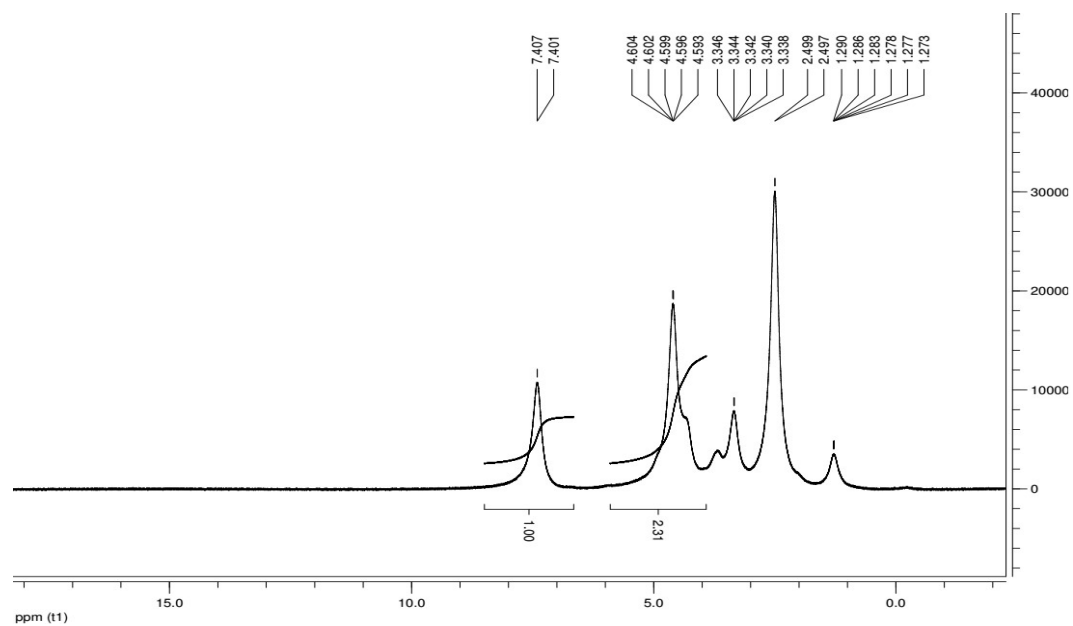


Figure S2. ^1H NMR of PEF in $\text{DMSO}-d_6$ after complete polymerization.

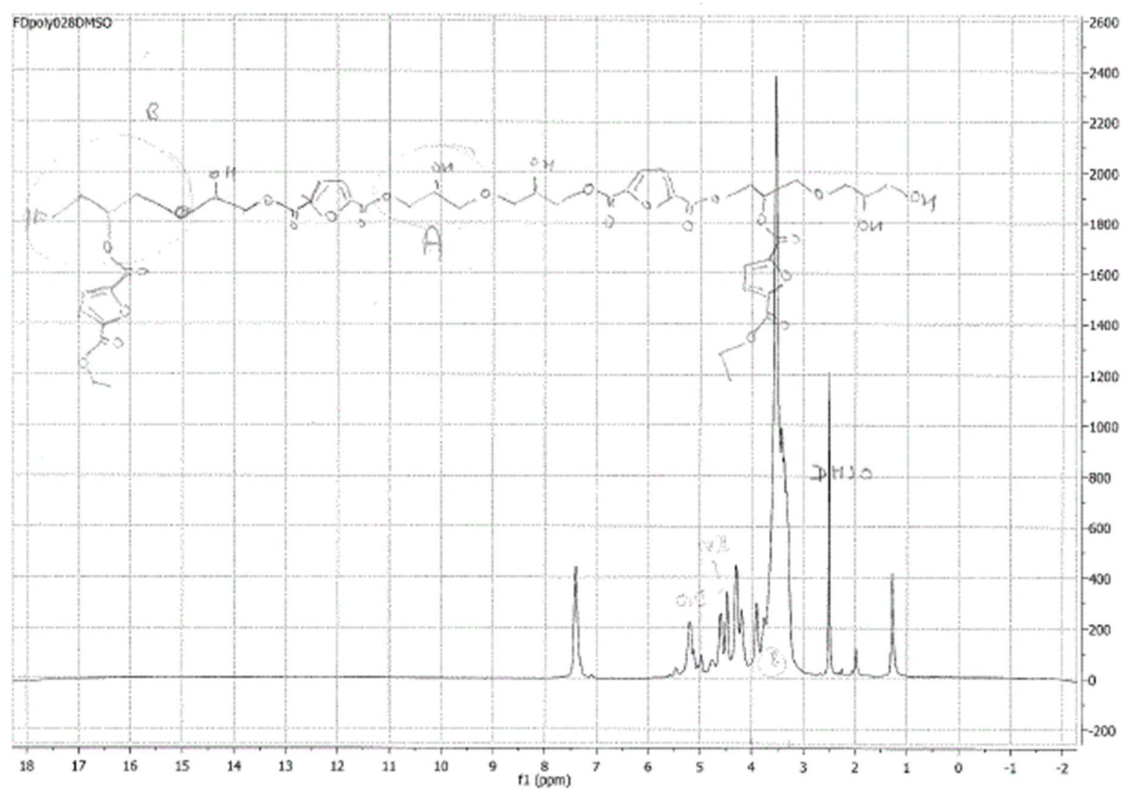


Figure S3. ^1H NMR of PDGF after polymerization.

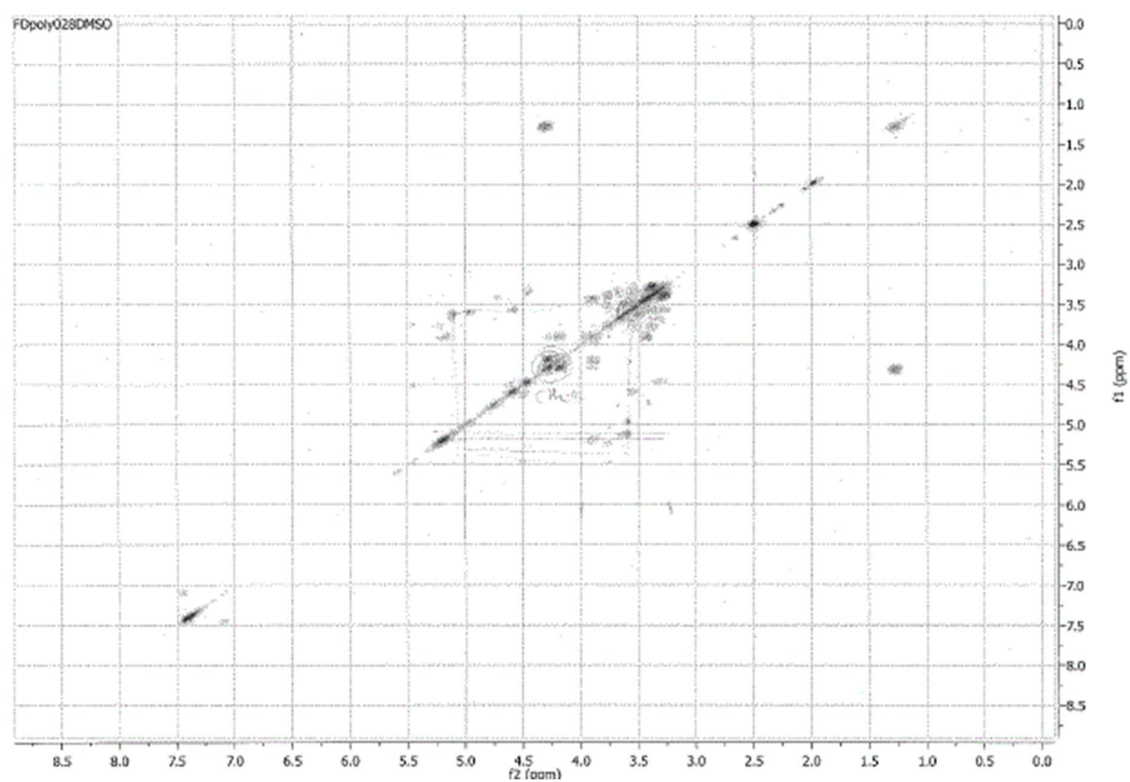


Figure S4. Cosy (1H-1H) spectrum of PDGF.

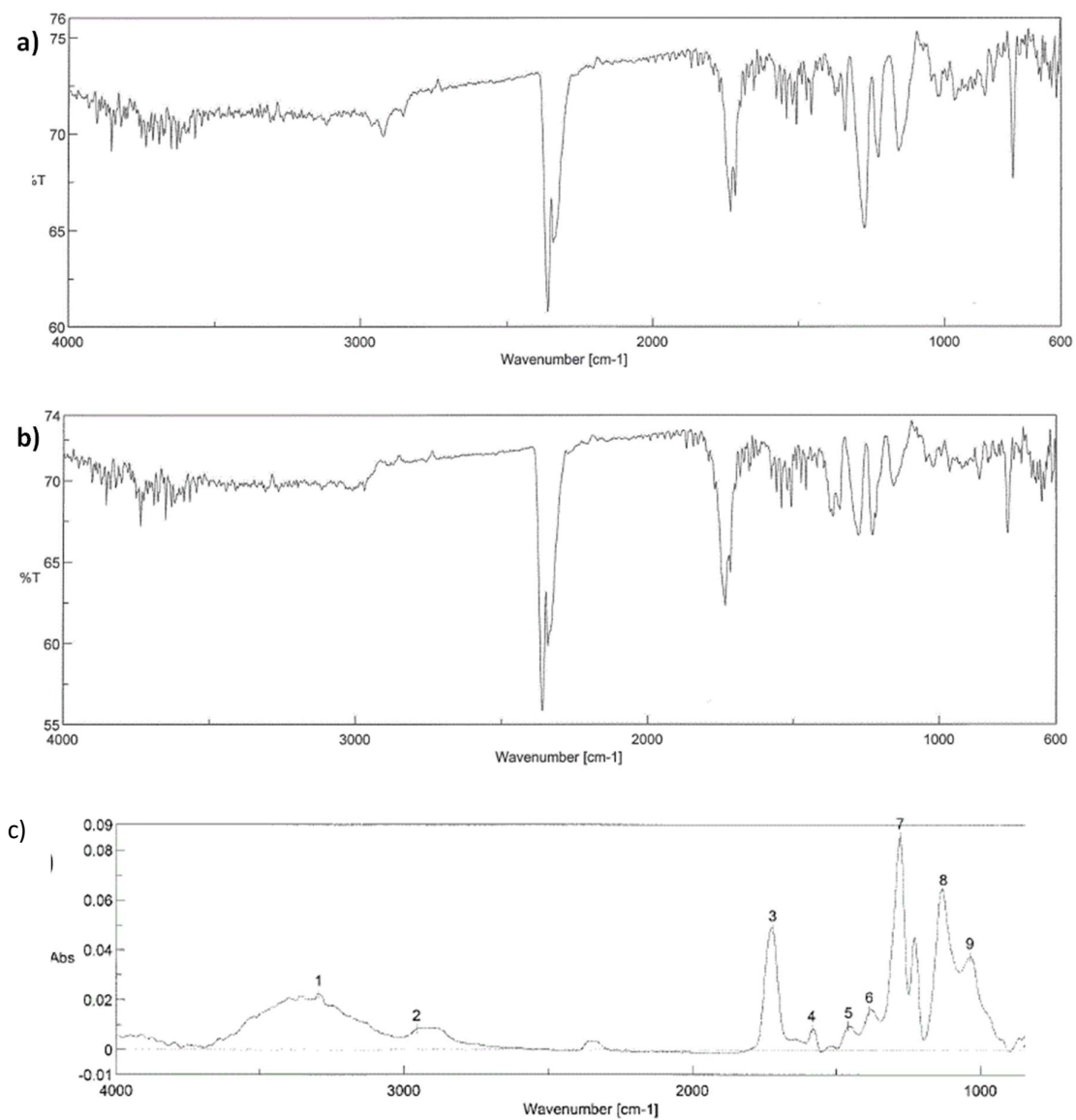


Figure S5. FT-IR spectra of (a) PEF; (b) PHPF and (c) PDGF.

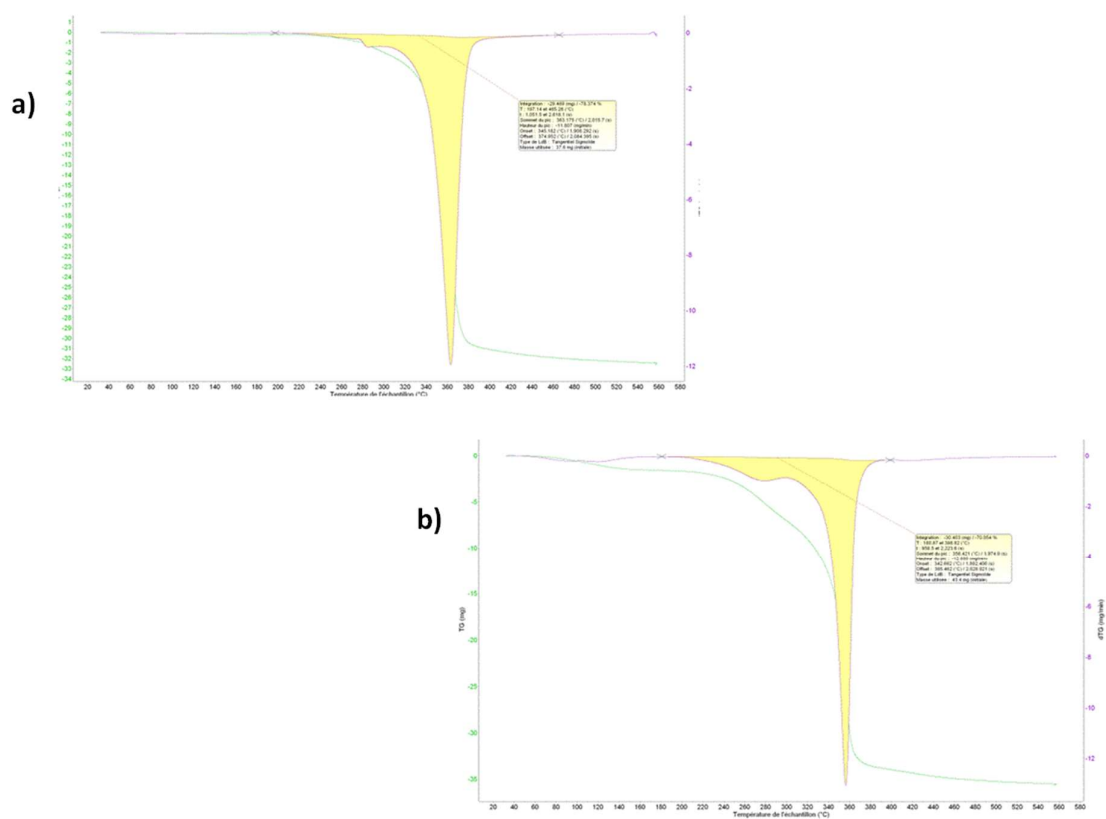


Figure S6. TG-DTG curves of (a) PEF and (b) PHPF.

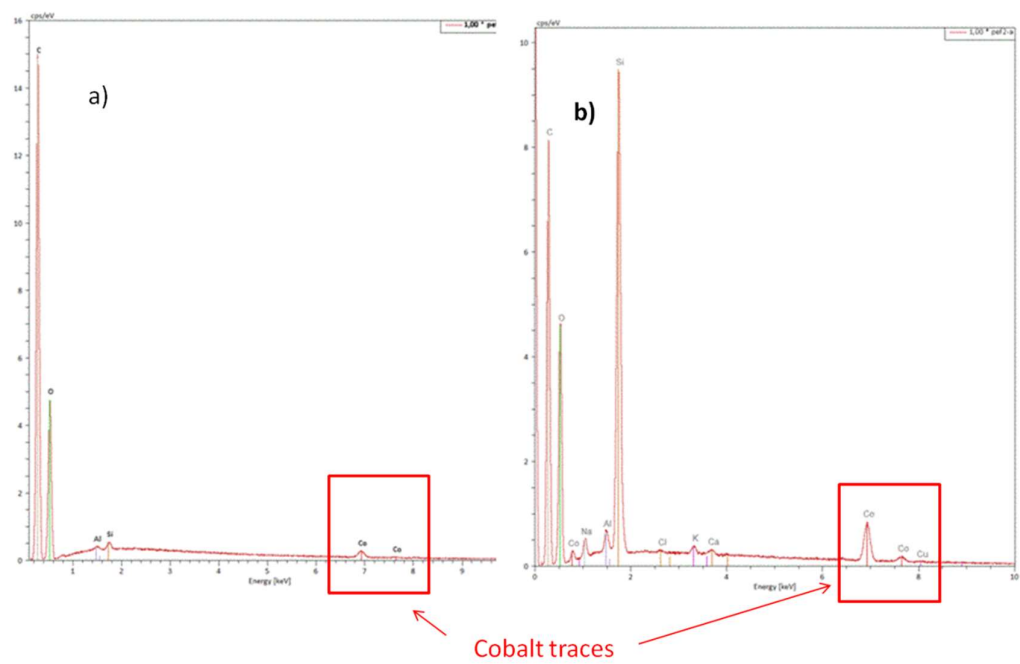


Figure S7. EDX spectra of (a) PEF and (b) PHPF.