Electronic Supplementary Information

for

Magnetically Separable γ-Fe$_2$O$_3$ Nanoparticles as Green Catalyst

for the Chemical Recycling of PET by Glycolysis

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Table. S1 Analysis of variance (ANOVA) at 99.9% confidence level for BHET yield

Groups	Count	Sum	Average	Variance
1st use	4	357.4	89.35	2.5
2nd use	4	363.7	90.91	1.09
3rd use	4	362.0	90.50	3.61
4th use	4	362.0	90.74	1.66
5th use	4	364.6	91.15	4.51
6th use	4	352.3	88.06	0.49
7th use	3	263.2	87.73	4.58
8th use	3	265.6	88.53	3.15
9th use	3	262.3	87.43	0.71
10th use	1	91.67	91.67	

ANOVA

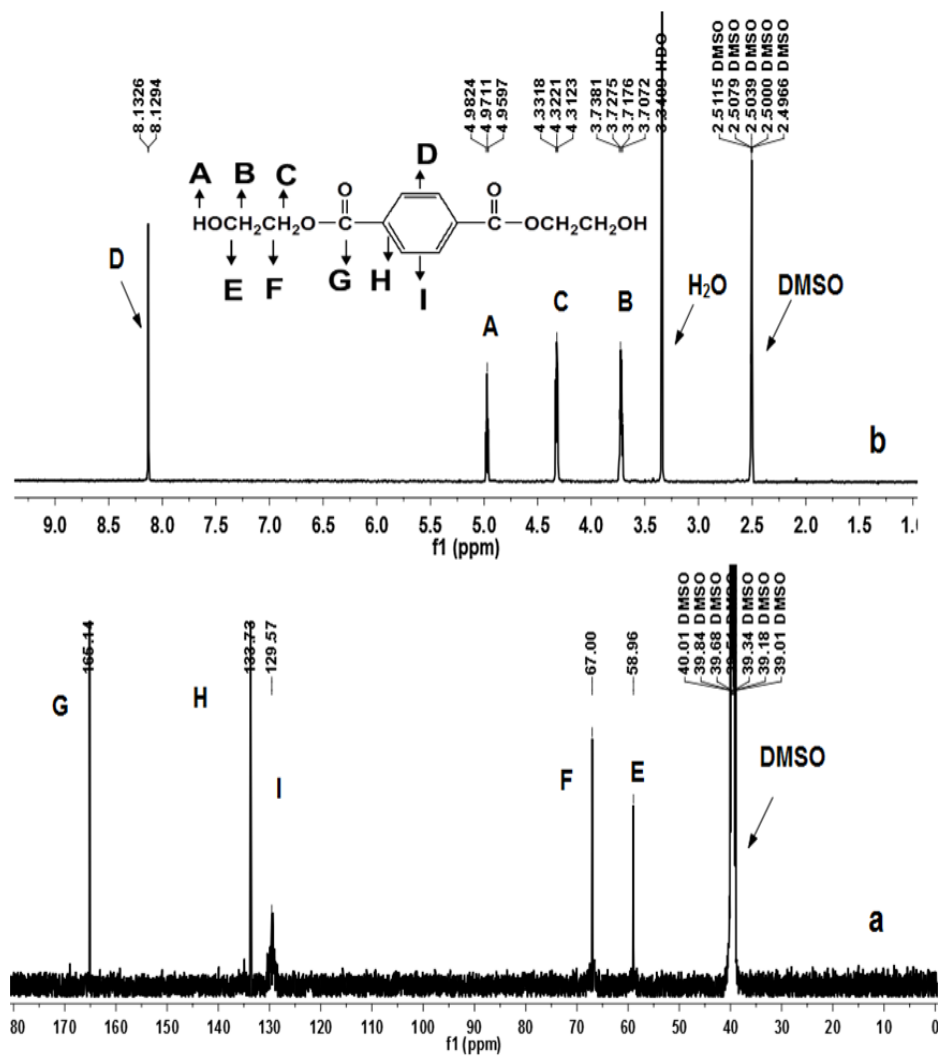| Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	66.98	9	7.44	3.04	0.014	4.797
Within Groups	58.68	24	2.44			
Total	125.65	33				

Fig. S1 ^{13}C (a) and ^{1}H (b) NMR spectra of the monomer obtained from the glycolysis reaction matching the structure of BHET.