Electronic Supplementary Information

Recovery the polymers formed during thermal cracking of N-

substituted dicarbamates over Fe-Ni/Al₂O₃

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Fig.S1 FT-IR spectra of fresh and after 5 cycle 8%Fe-3%Ni/Al₂O₃ catalyst.



Fig.S2 The SEM images of fresh (a) and after 5 cycle (b) 8% Fe-3%Ni/Al₂O₃ catalyst.