

Table 1. Primers for RT-PCR Analysis.

| Gene | Forward premier | Reverse premier |
|--------|--------------------------|--------------------------|
| Col-I | AGAGGCATAAAGGGTCATCGTG | AGACCGTTGAGTCCATCTTTGC |
| Runx-2 | TACCCAGGCGTATTTTCAGATGAT | TGTAAGTGAAGGTGGCTGGATAGT |
| OCN | TGACAAAGCCTTCATGTCCAA | CTCCAAGTCCATTGTTGAGGTAG |
| GAPDH | CTGGAGAAACCTGCCAAGTATG | GGTGGGAAGAATGGGAGTTGCT |

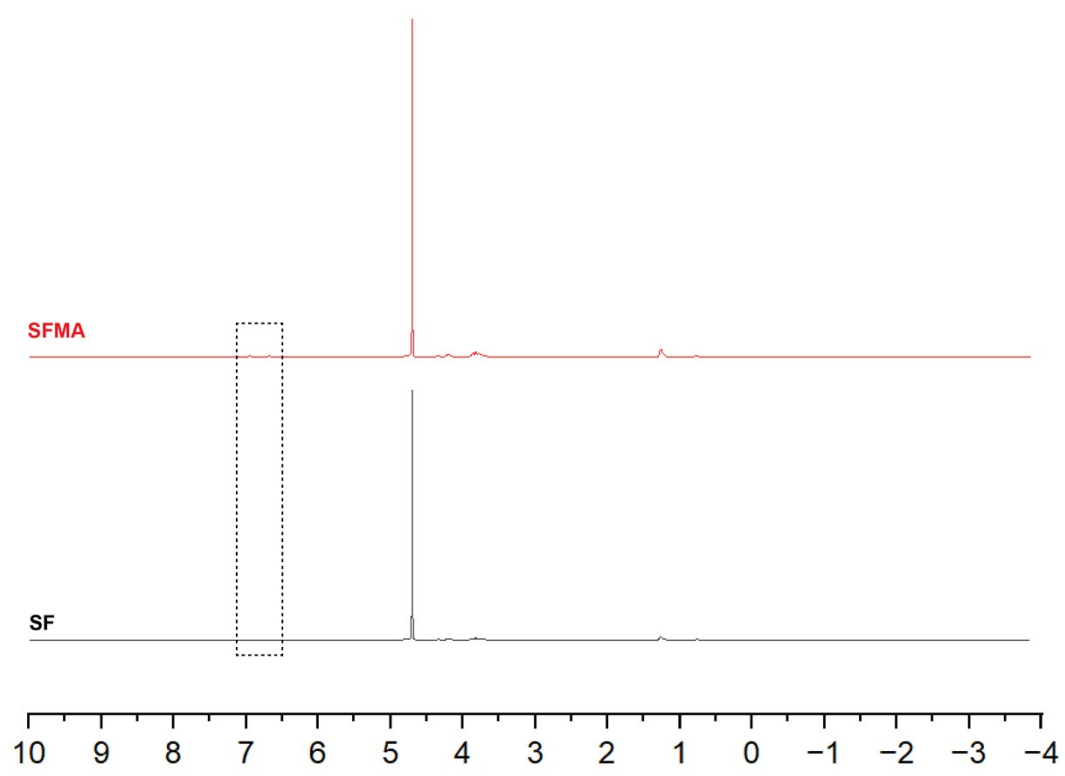


Fig. s1 ¹H-NMR spectra of SF and SFMA.

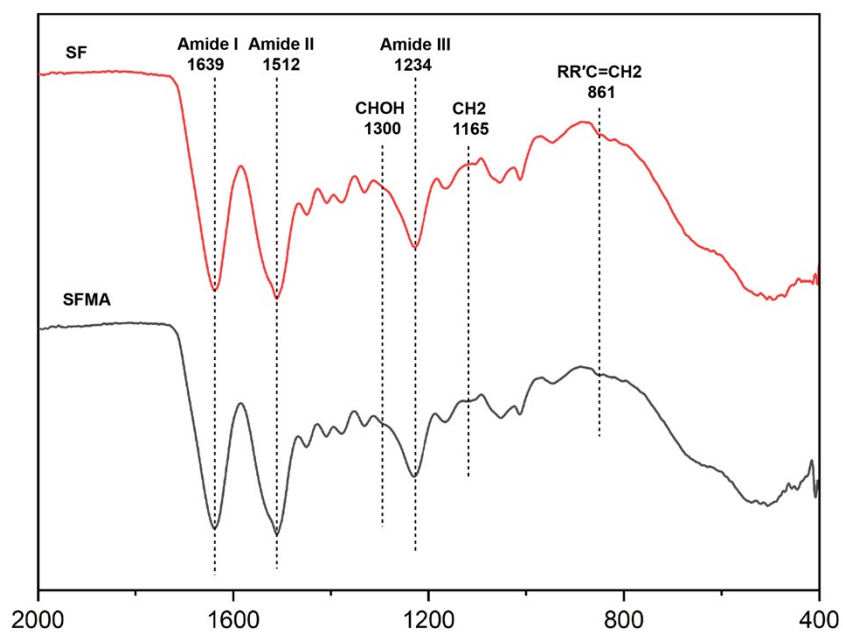


Fig. s2 FTIR spectra of SF and SFMA