

Supporting information for manuscript entitled: “Alkanedisulfamic acid functionalized silica-coated magnetic nanoparticles as a reusable efficient nanocatalyst for synthesis of *gem*-dihydroperoxides and 1,2,4,5-tetraoxanes”

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Spectral analysis for catalyst (Alkanedisulfamic acid functionalized silica-coated magnetic nanoparticles (ADSA-MNPs)):

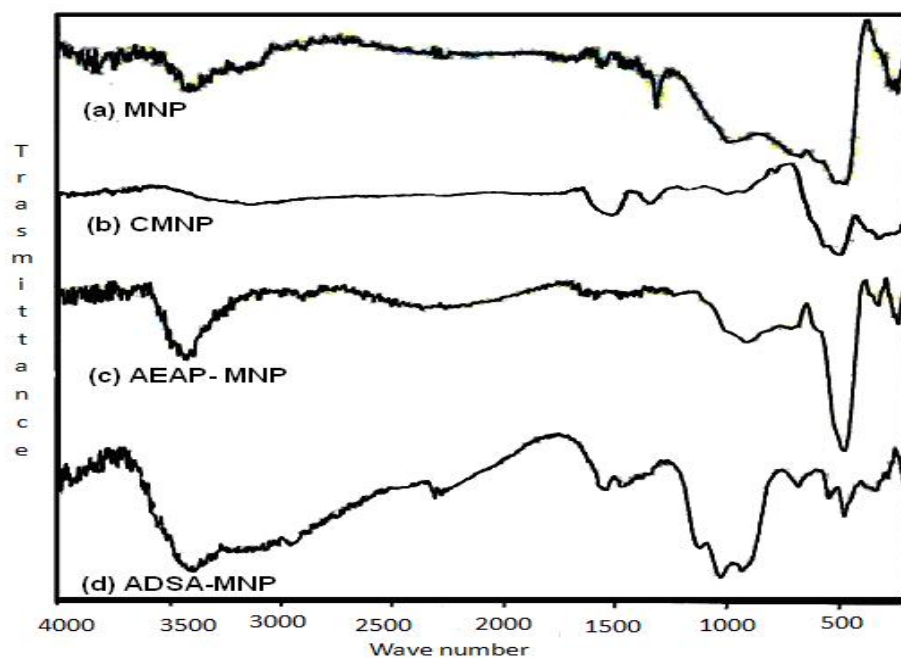


Figure 1. FT-IR spectra of (a) MNP, (b) CMNP, (c) AEAP-MNPs and (d) ADSA-MNPs.

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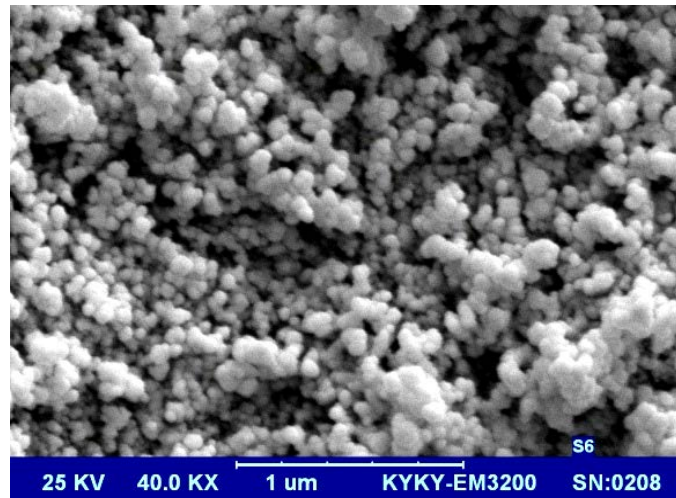


Figure 2. SEM images of ADSA-MNPs.

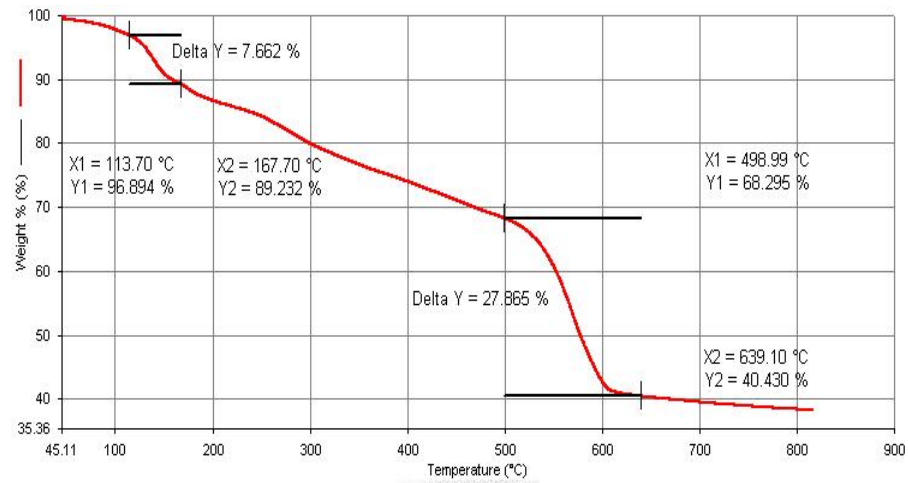


Figure 3. The thermogram of ADSA-MNPs.

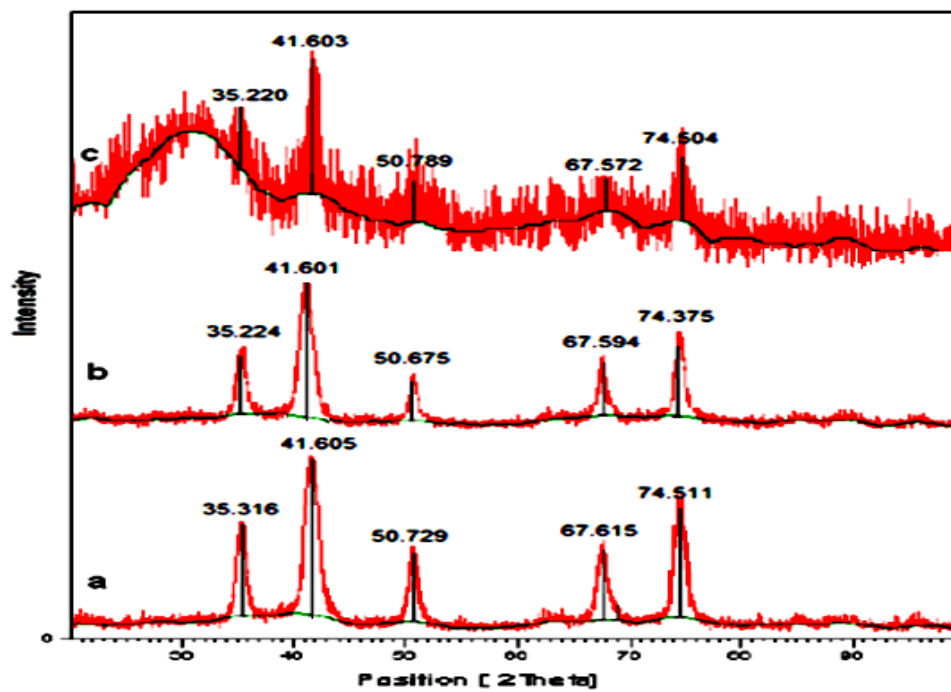


Figure 4. X-ray diffraction patterns of (a) MNP, (b) AEAP-MNPs and (c) ADSA-MNPs.