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”

Kaveh Khosravi¹, Ali Reza Karimi, Shirin Naserifar

Department of Chemistry, Faculty of Science, Arak University, Arak 38156-8-8349, Iran.

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.

¹Corresponding author; Tel: +98(86)34173415, Fax: +98(86)34173406, Email: khosravi.kaveh@gmail.com and k-khosravi@araku.ac.ir
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.