

Electronic Supplementary Information:

Figures 1 and 2, FTIR spectra of blank silicone and the AC-SG

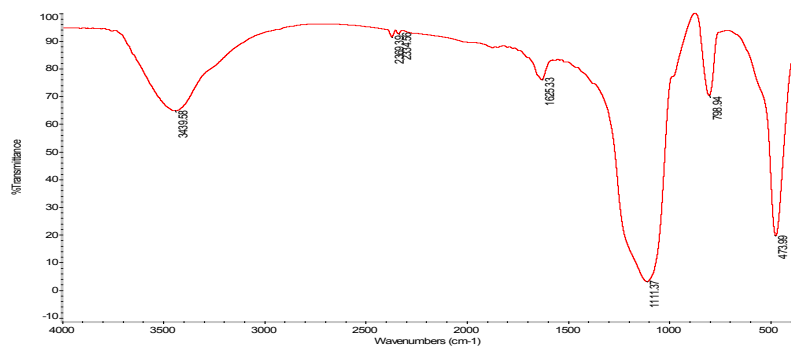


Figure 1.

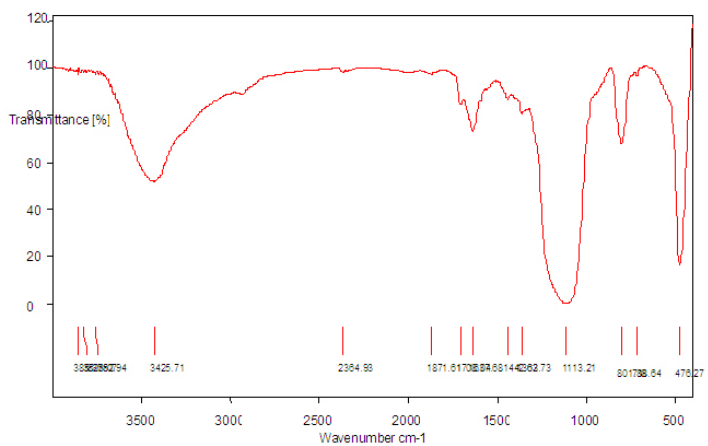


Figure 2

Figures 3- 5, Thermogravimetric (TG) analysis

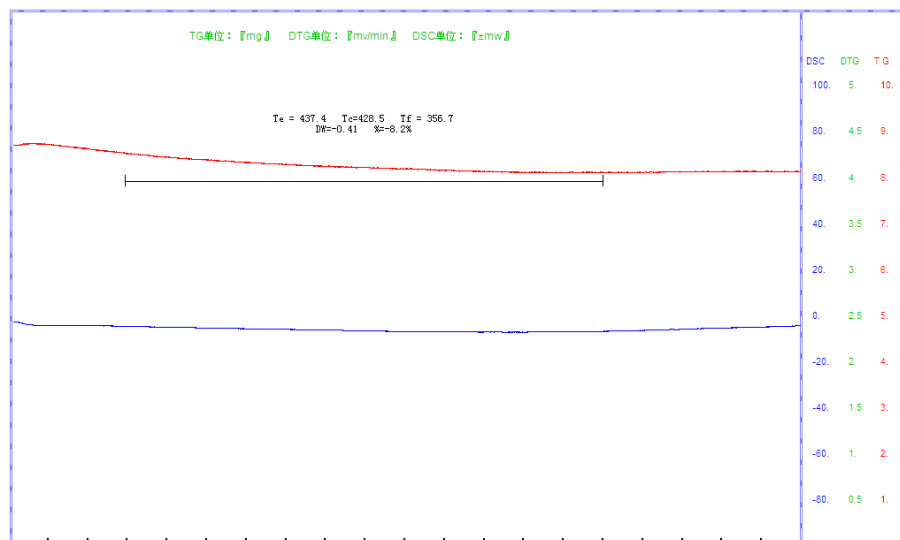


Figure 3. Blank Silica gel

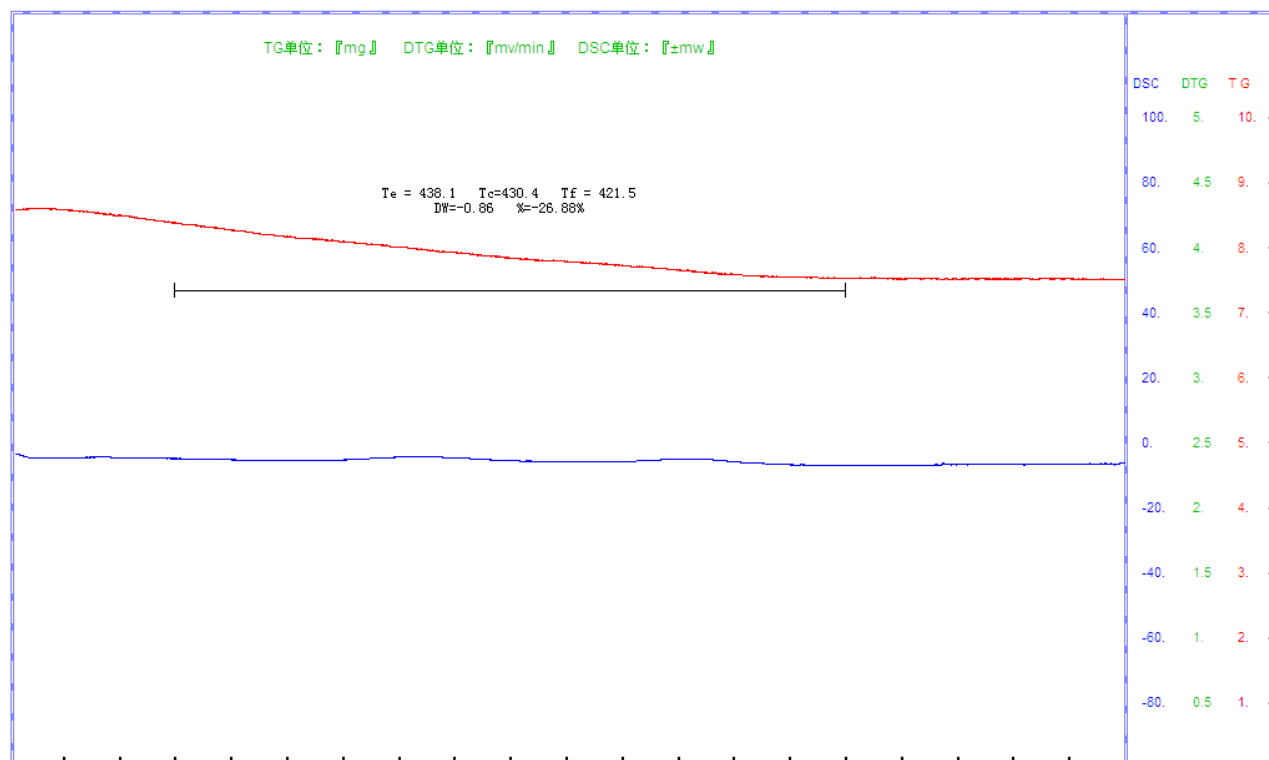


Figure. 4 AC-SG

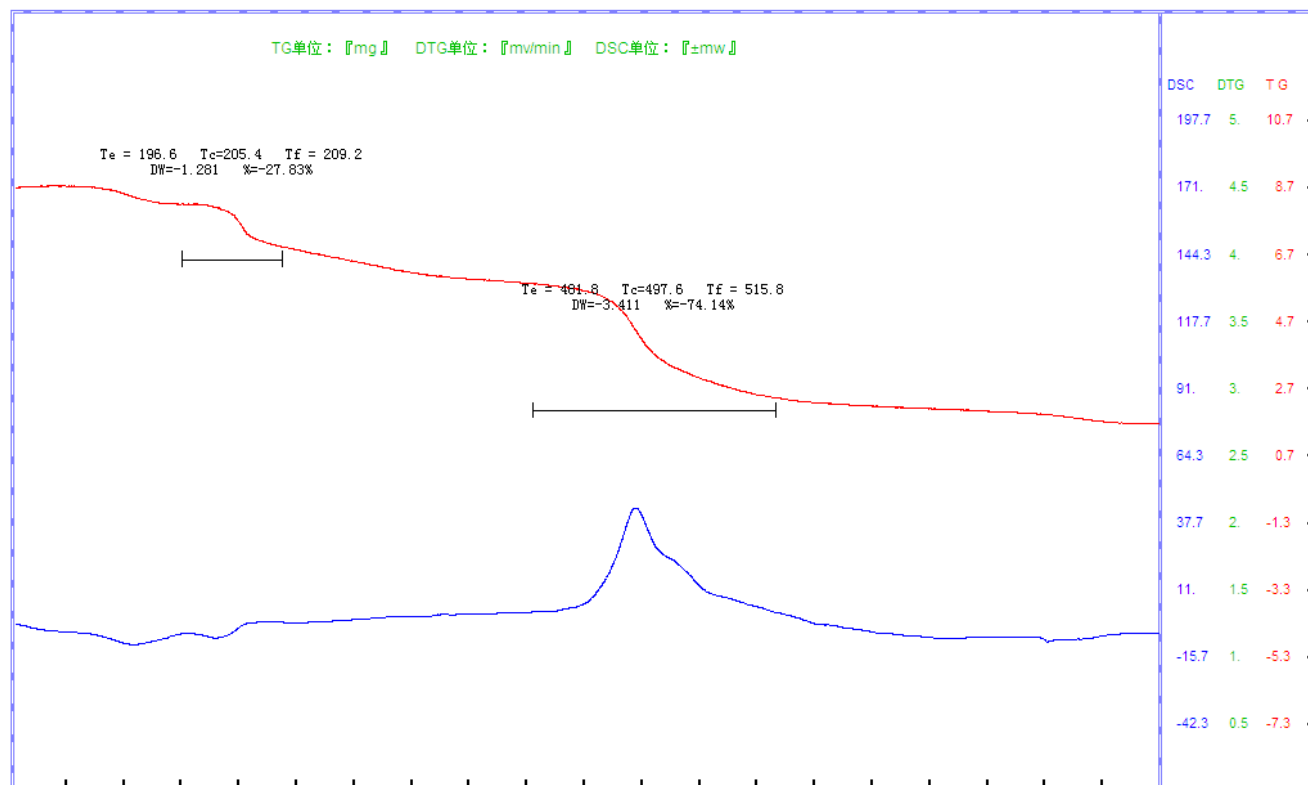


Figure 5. AC