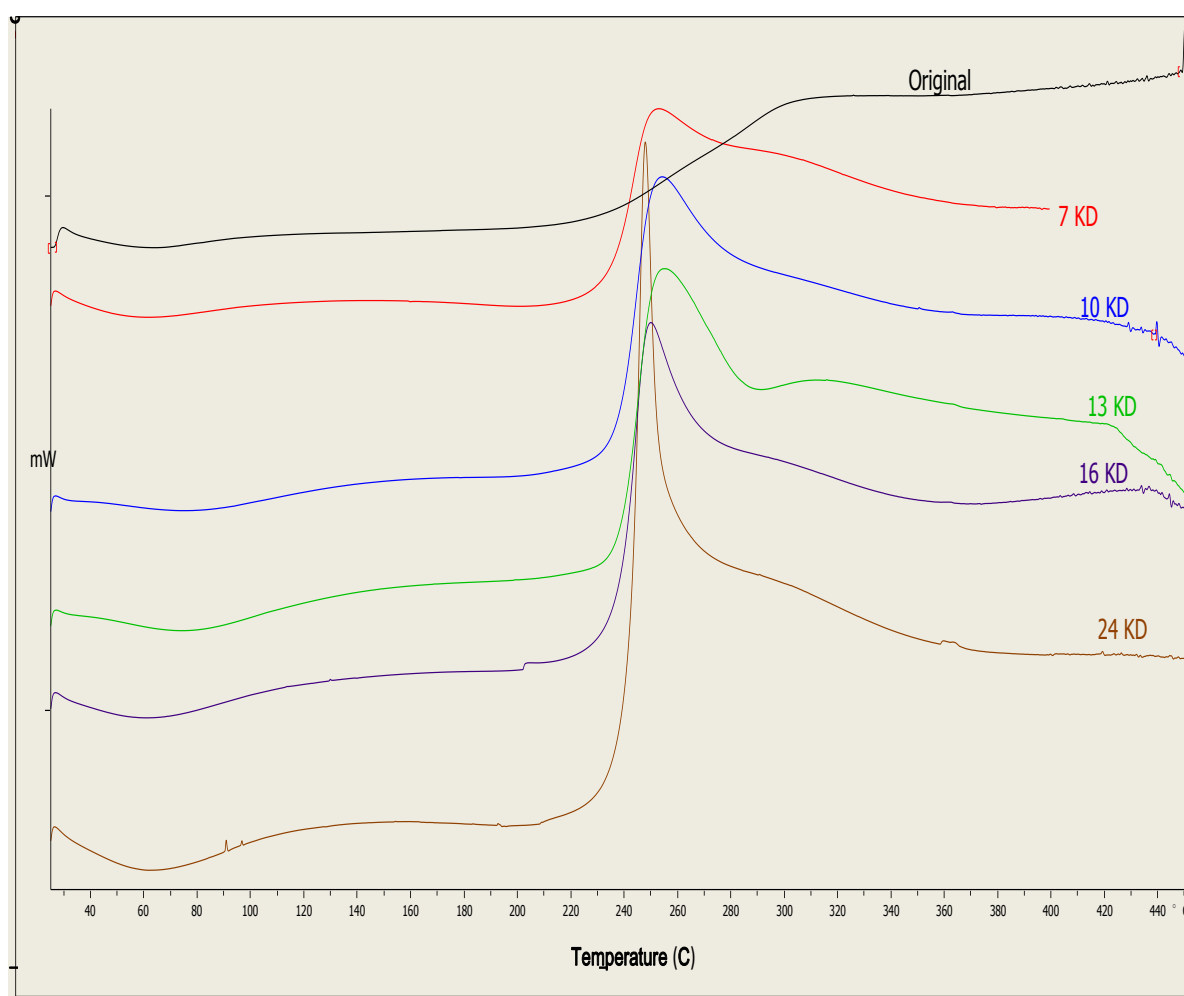


3.1.3. Differential Scanning Calorimetry (DSC)

The analysis of the DSC thermogram for different molecular weight grades of fully deacetylated chitosan showed strong exothermic peak around 240 °C to 260 °C (see Figure 3.2). The exothermic peak at 240-260 °C may be related to the thermal decomposition of chitosan.



(Figure 3.2): DSC thermogram for different grades of fully deacetylated chitosan.