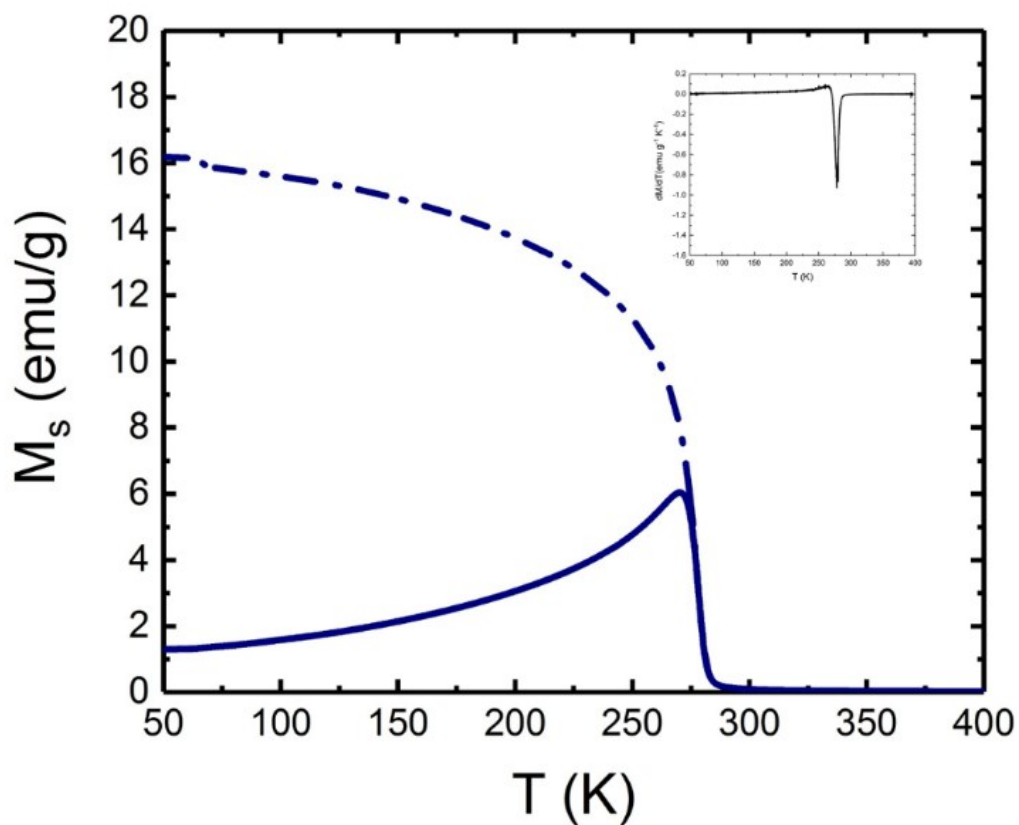
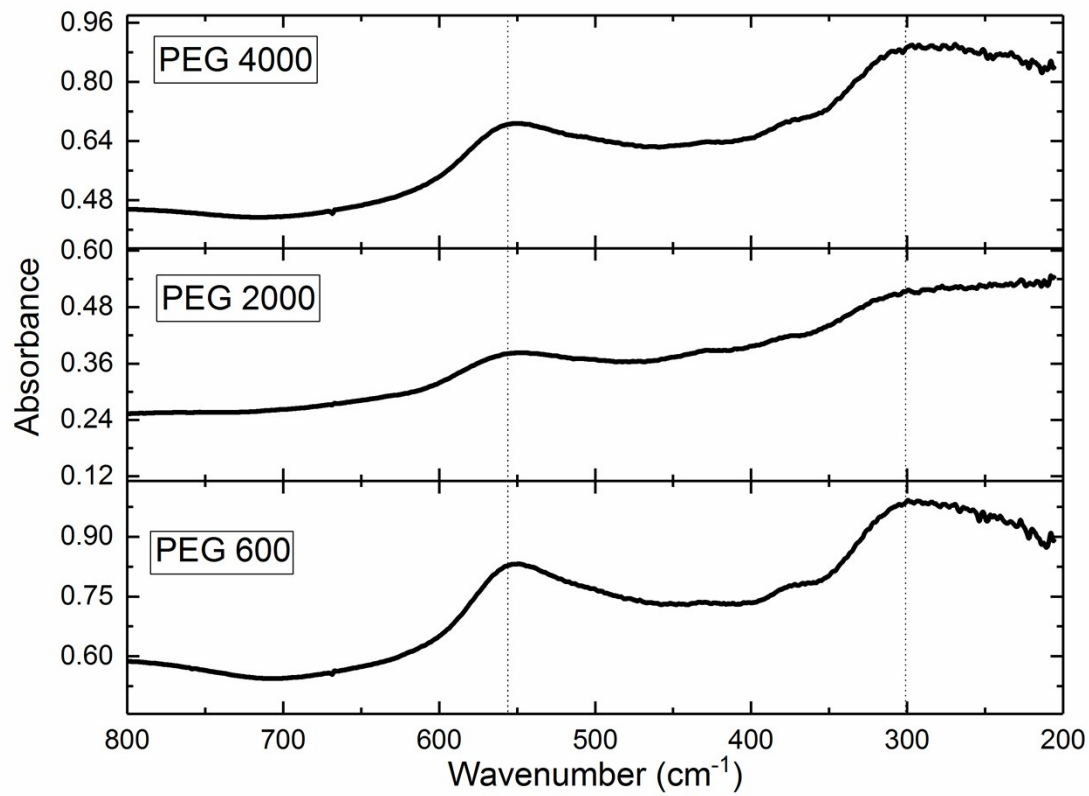


# Enhanced Near Room Temperature Magnetocaloric Effect in $\text{La}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$ for Magnetic Refrigeration Application

## Supplemental information



**Fig. S1** Representation of Curie temperature  $T_C$  calculation. This is achieved by taking the derivative of ZFC curve.



**Fig. S2** Far-IR spectroscopy of as-synthesized LCMO samples.