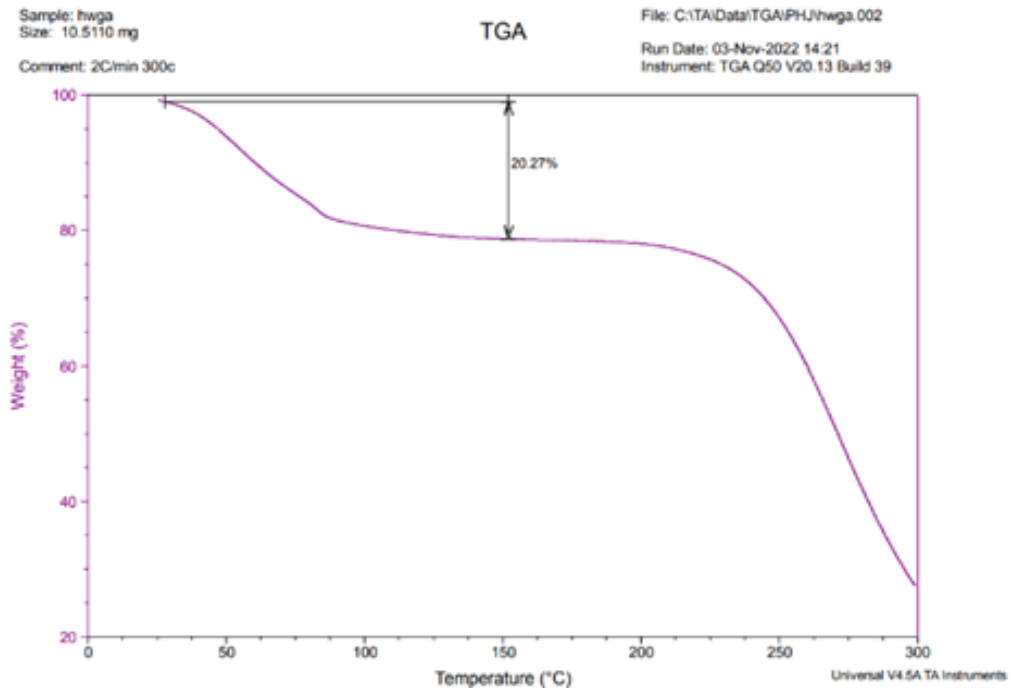
Supporting Information Fig. S1

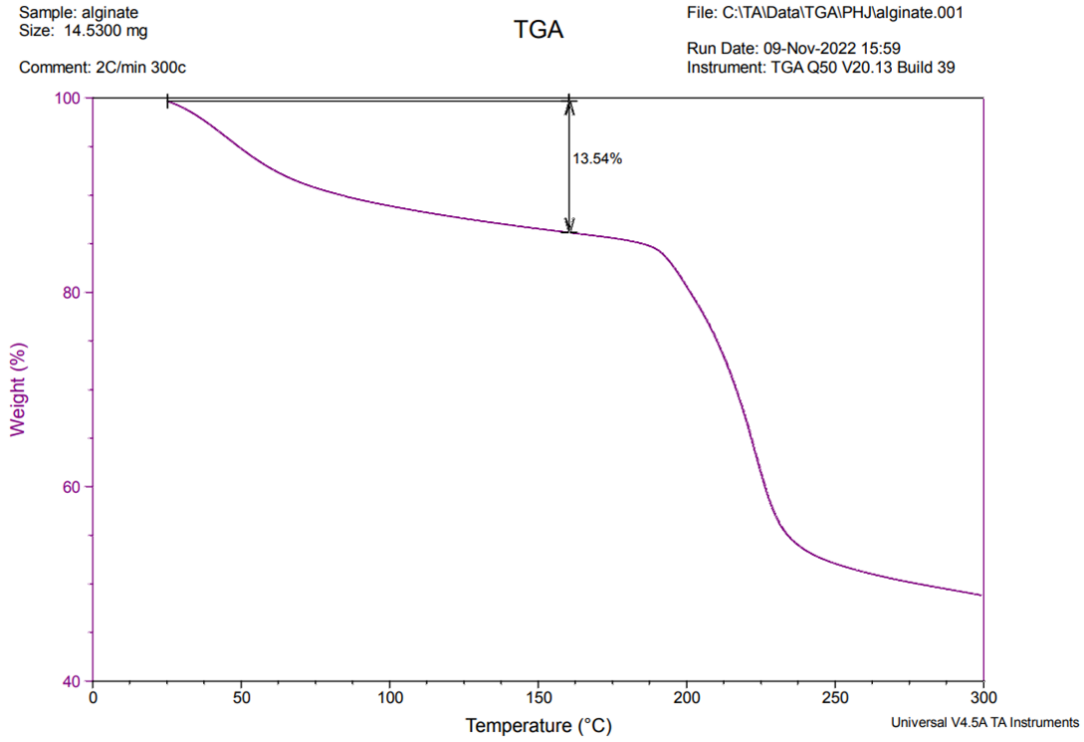
Thermal analysis

(a)

TGA of high molecular weight gelatin (HWGA)

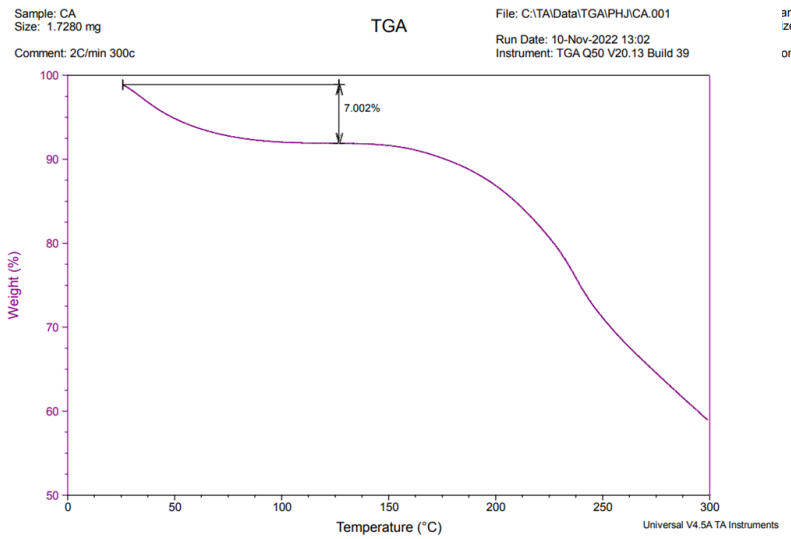


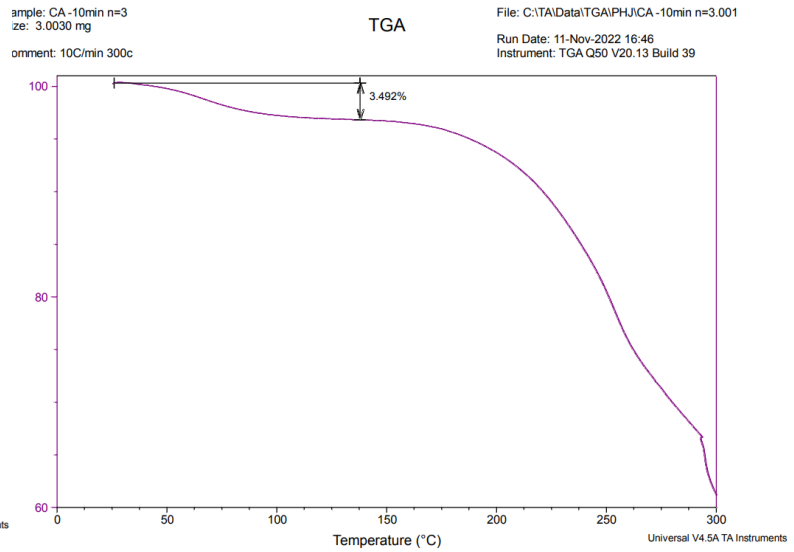
TGA of sodium alginate (SA)



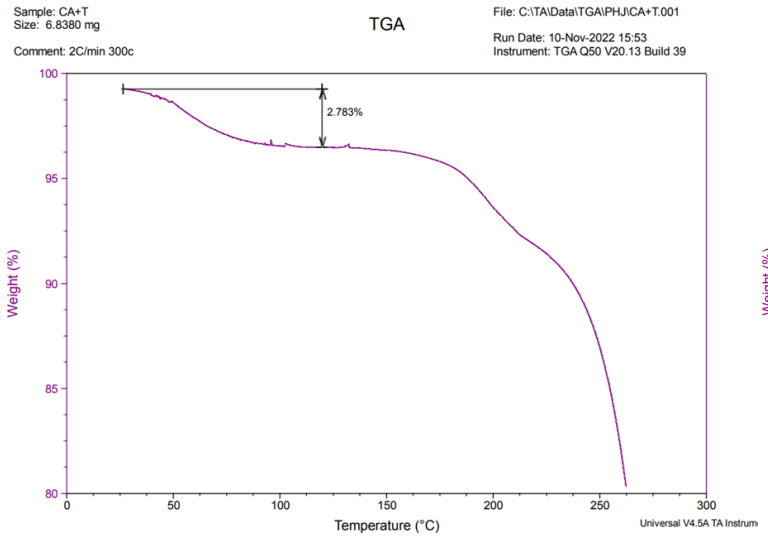
(b)

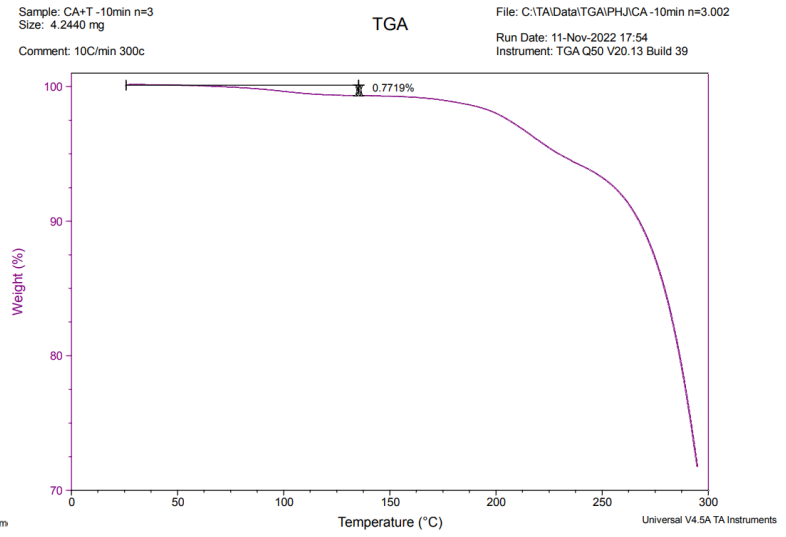
TGA of freeze-dried GA/SA coacervate without trehalose





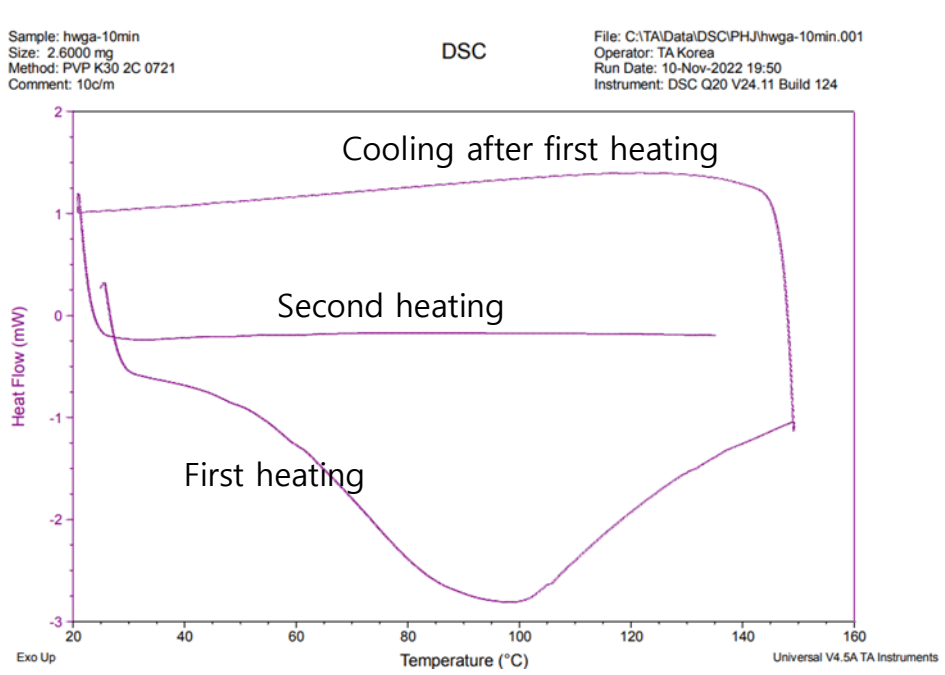
TGA of freeze-dried GA/SA coacervate with trehalose

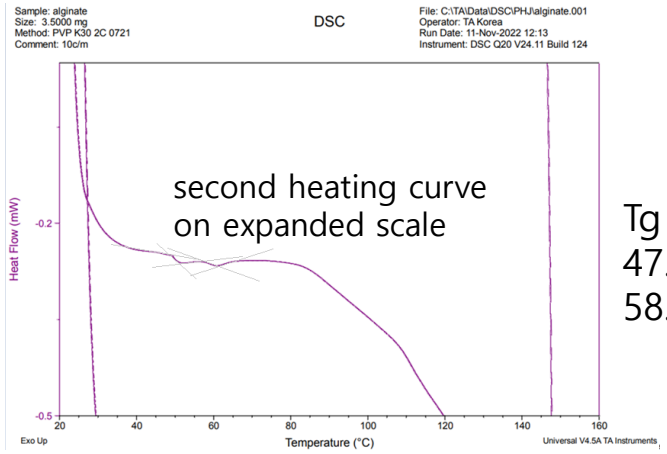




(c)

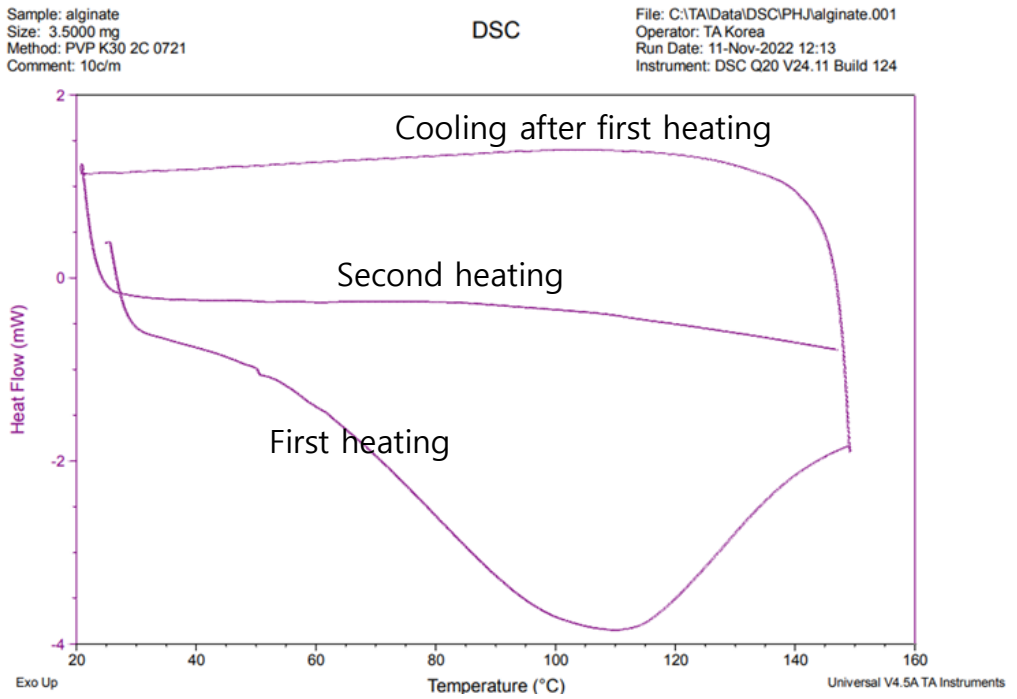
DSC of high molecular weight gelatin (HWGA)

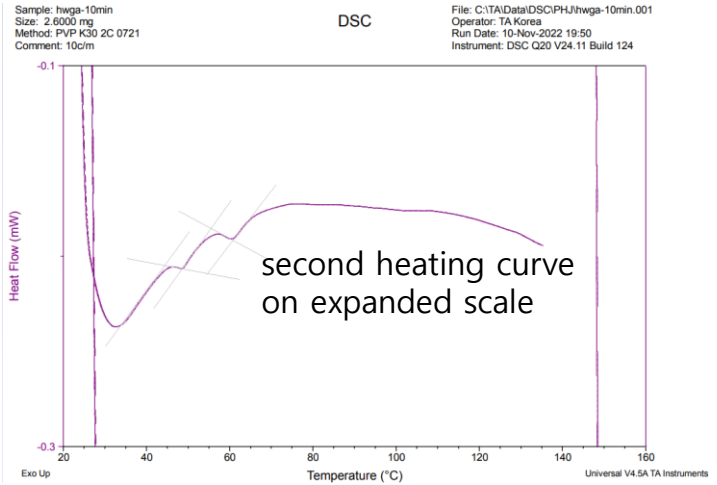




Tg
47.3 ℃
58.3 ℃

DSC of sodium alginate (SA)

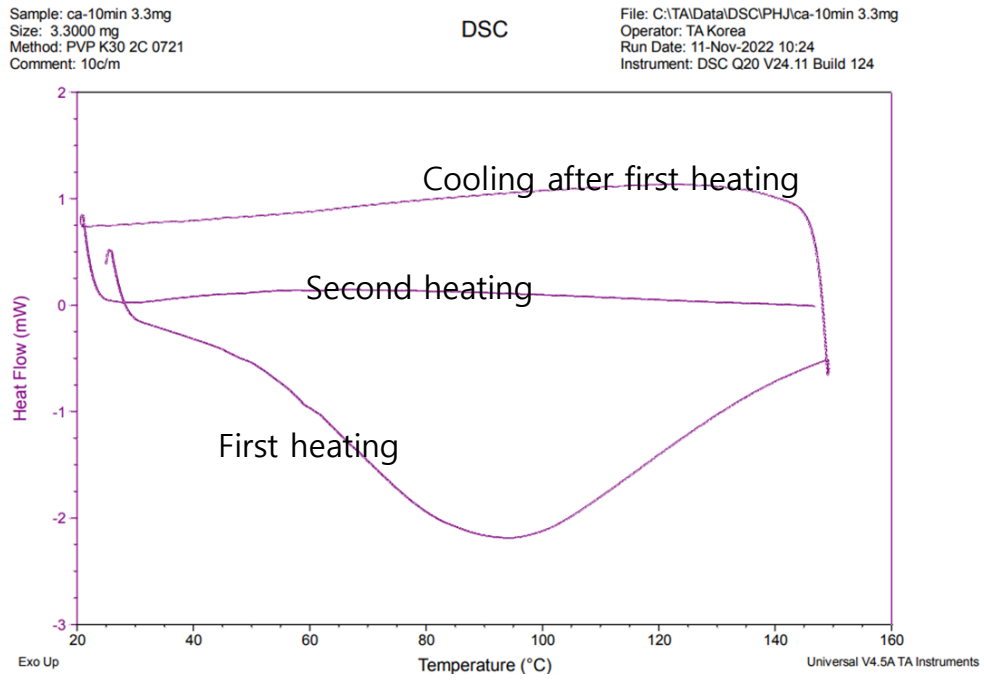


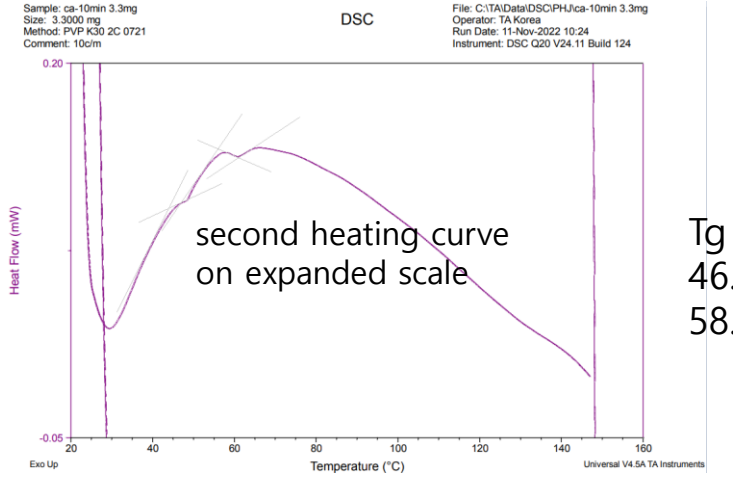


Tg
49.7 ℃
58.1 ℃

(d) heating-cooling-heating

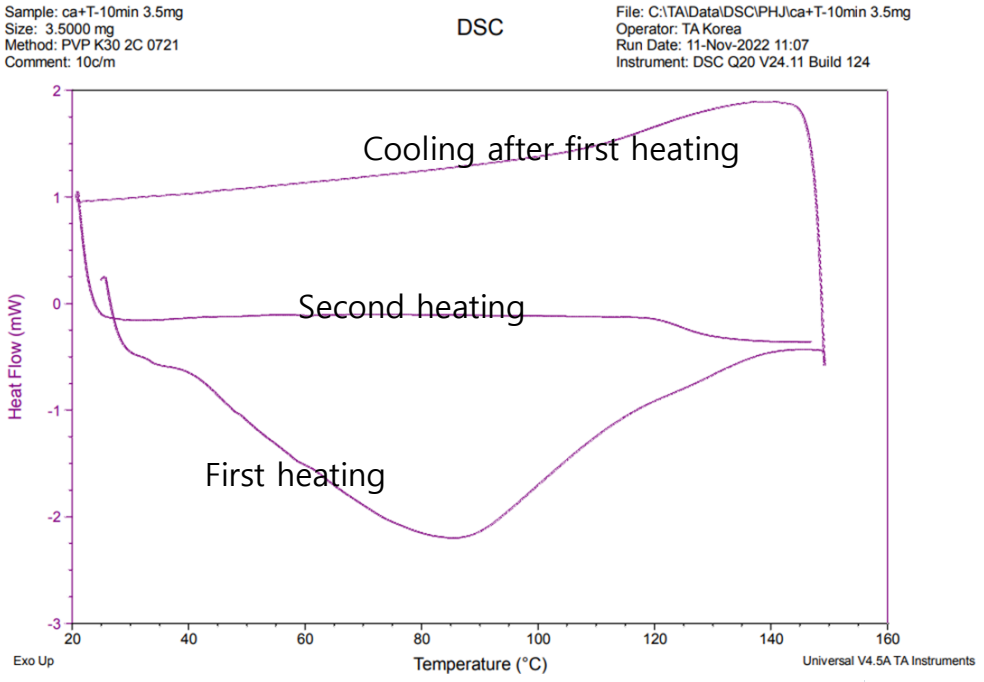
DSC of freeze-dried GA/SA coacervate without trehalose

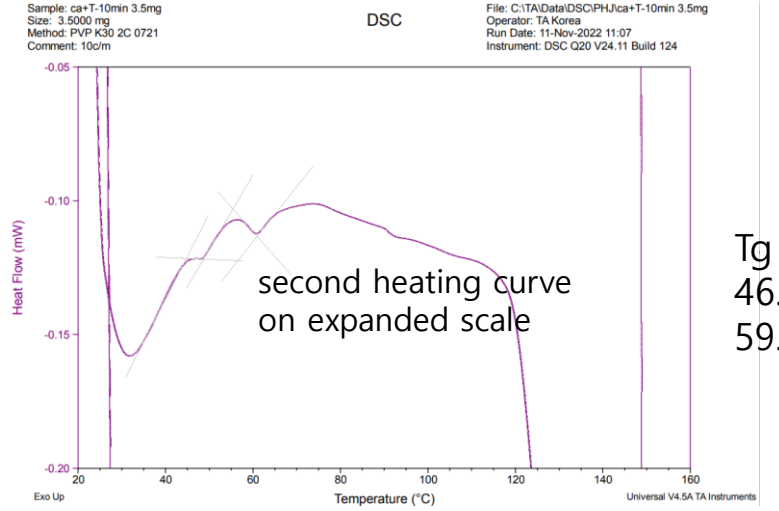




Tg
46.4 ℃
58.2 ℃

DSC of freeze-dried GA/SA coacervate with trehalose

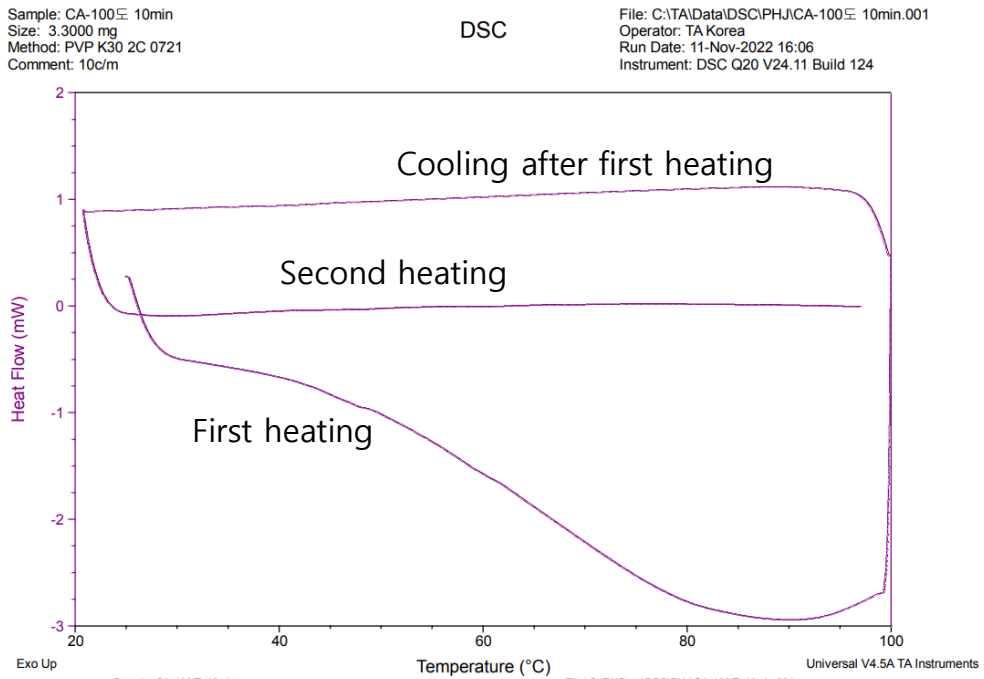


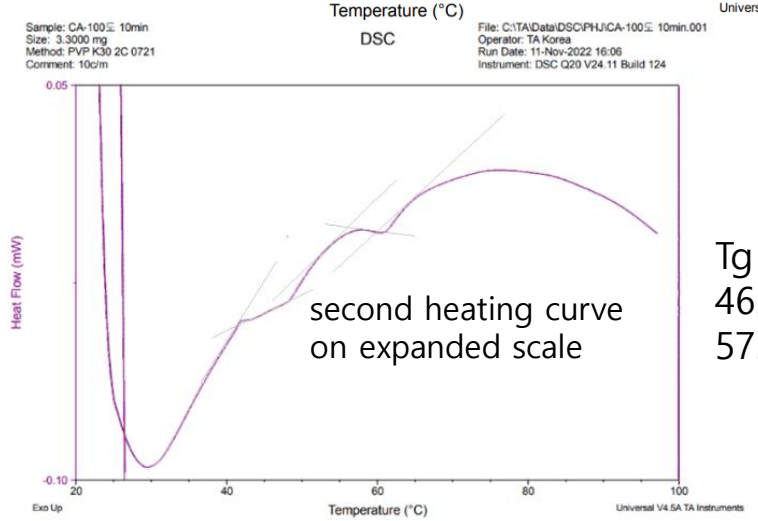


Tg
46.8 ℃
59.8 ℃

(d) heating-10 min stay at 100 °C-cooling-heating

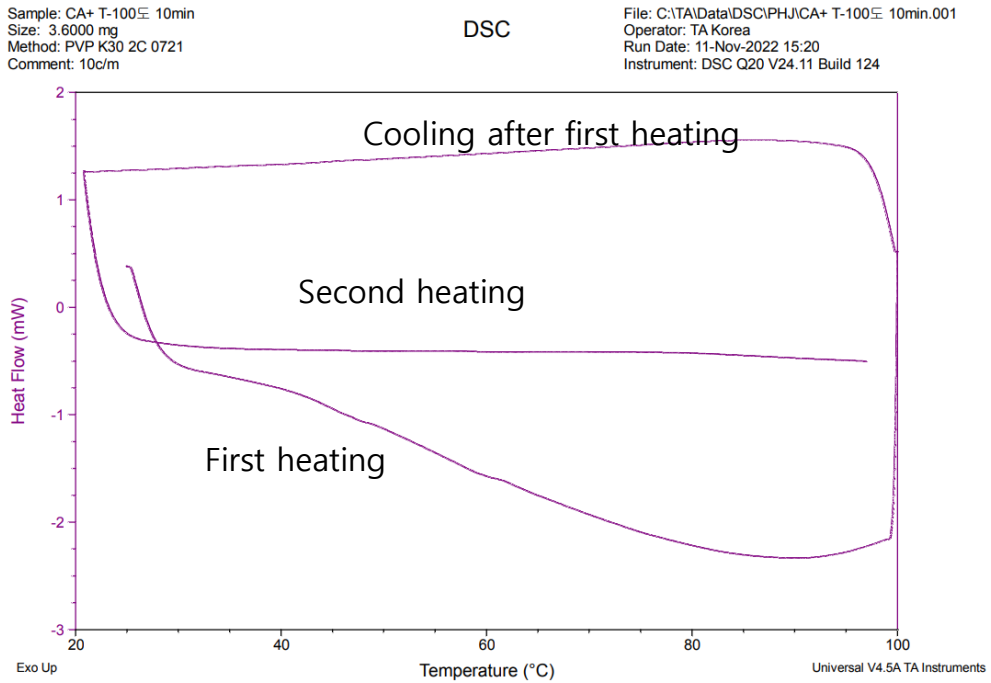
DSC of freeze-dried GA/SA coacervate without trehalose

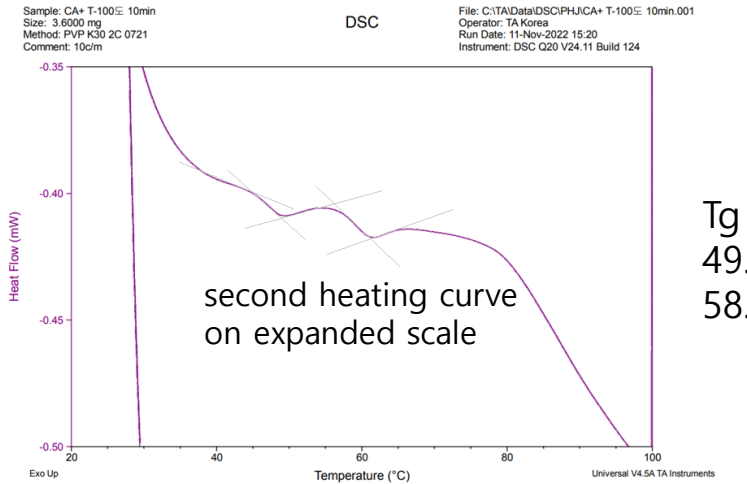




Tg
46.7 ℃
57.5 ℃

DSC of freeze-dried GA/SA coacervate with trehalose





Tg
49.7 ℃
58.2 ℃