

Supplementary Materials:

Table S1. Composition of KGM/agar binary blend films.

Samples	ratio of agar to KGM	content of agar (g)	content of KGM (g)	content of glycerol (g)
a ₁₀₀ /K ₀ -40	100/0	2.50	0	1
a ₉₄ /K ₆ -40	94/6	2.35	0.15	1
a ₈₈ /K ₁₂ -40	88/12	2.20	0.30	1
a ₈₂ /K ₁₈ -40	82/18	2.05	0.45	1
a ₇₆ /K ₂₄ -40	76/24	1.90	0.60	1

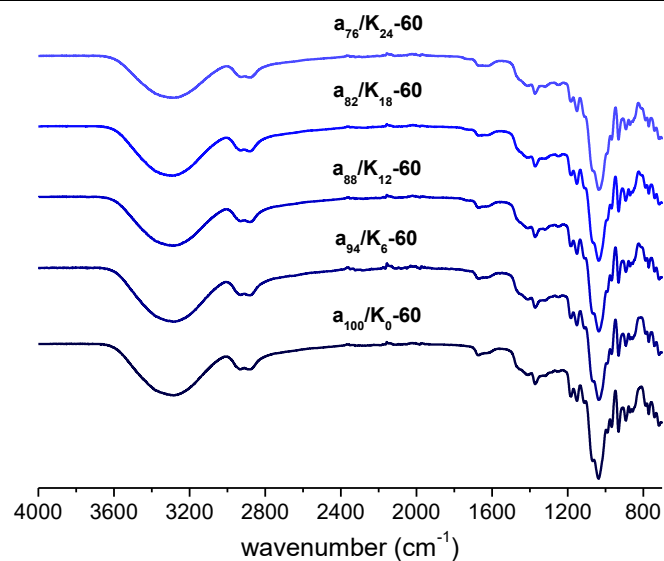


Figure S1. FTIR spectra of agar/KGM films prepared under drying temperature of 60 °C.