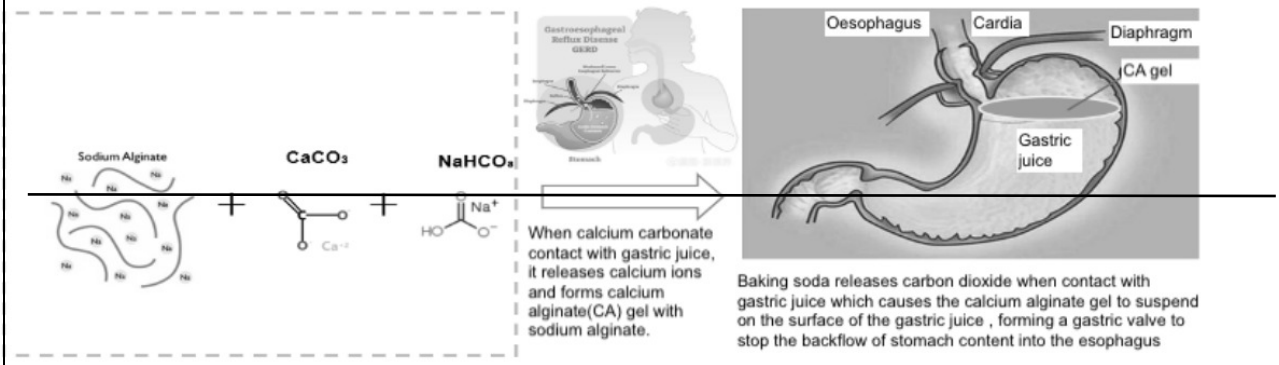
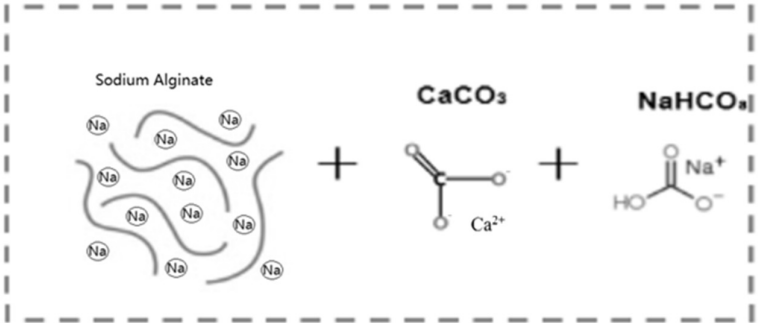


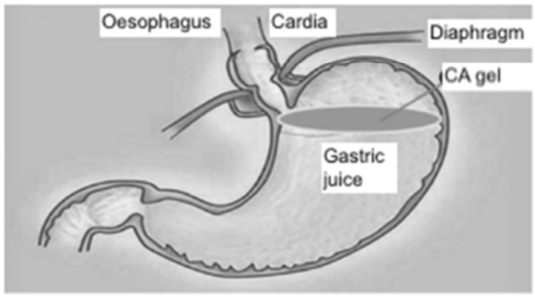
When calcium carbonate contact with gastric juice, it releases calcium ions and forms calcium alginate(CA) gel with sodium alginate.

Baking soda releases carbon dioxide when contact with gastric juice which causes the calcium alginate gel to suspend on the surface of the gastric juice , forming a gastric valve to stop the backflow of stomach content into the esophagus

a)



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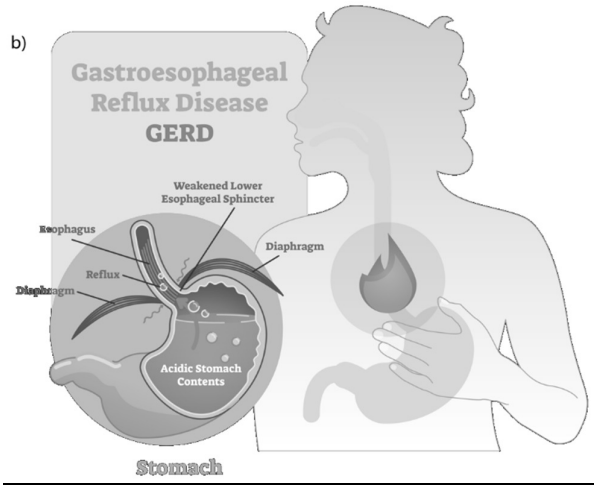


Figure 1

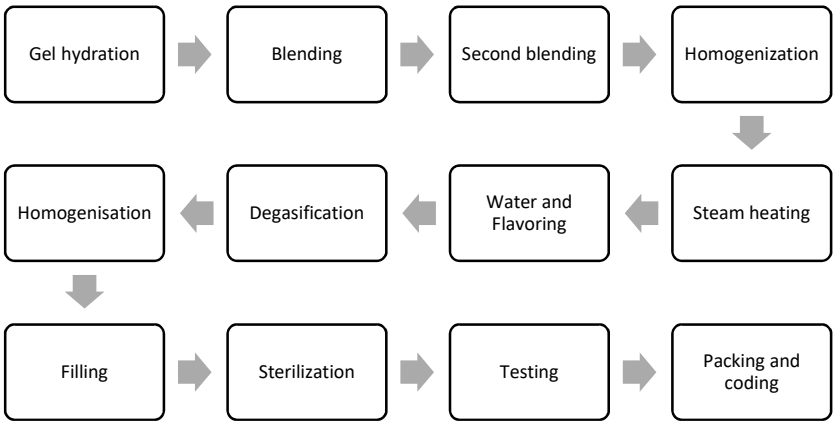


Figure 2