

# Supplementary Materials: Development of guar gum hydrogel containing sesamol-loaded nanocapsules designed for the irritant contact dermatitis treatment induced by the croton oil application

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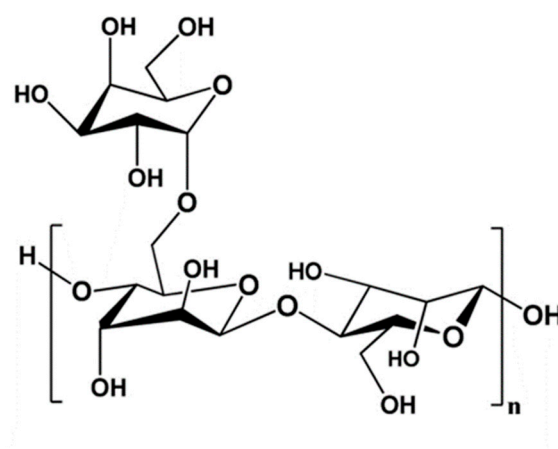
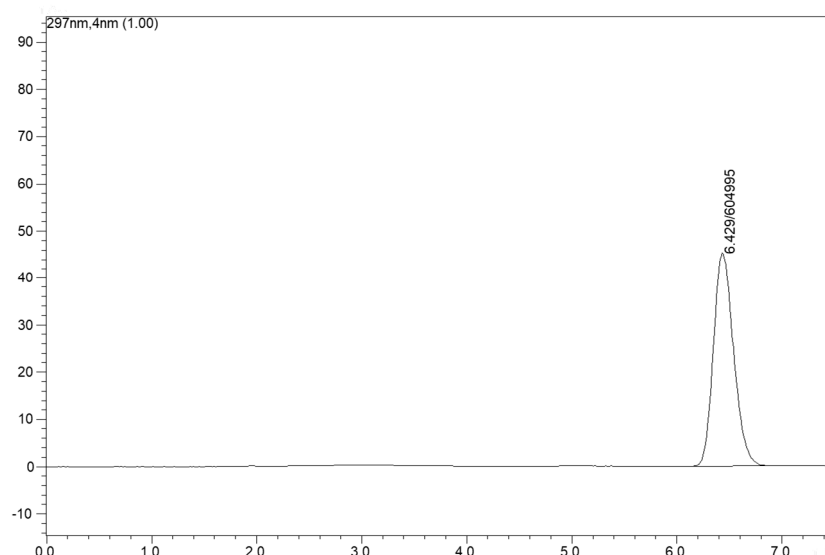
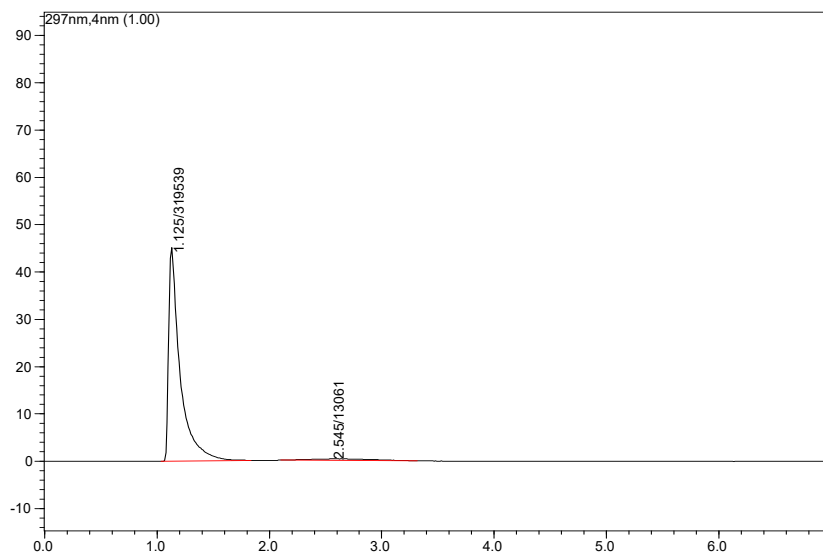


Figure S1. Chemical structure of guar gum.

A

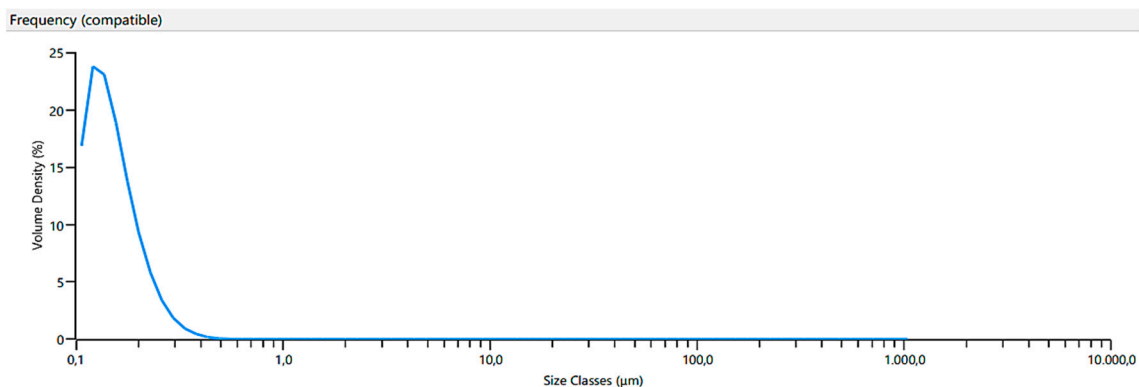


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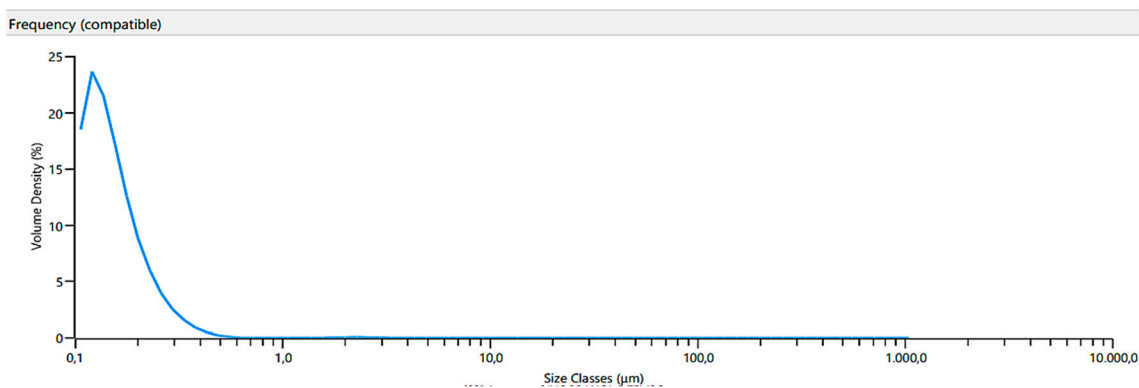


**Figure S2.** Representative chromatographic profiles of sesamol (15 µg/mL - chromatogram A) and NC placebo (chromatogram B) at 297 nm.

A

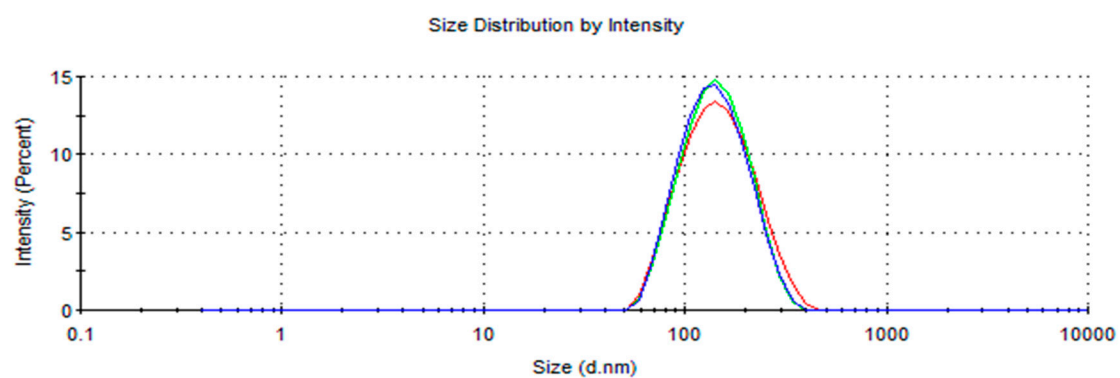


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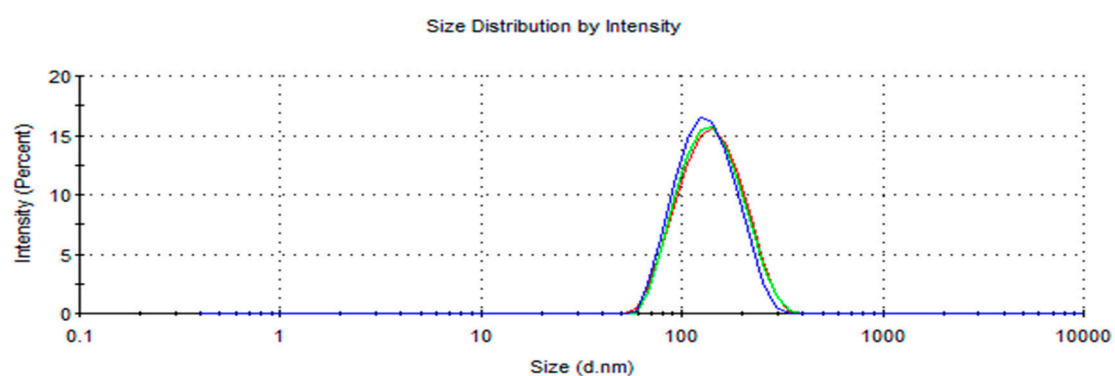


**Figure S3.** Representative granulometric profiles determined by laser diffraction at their initial time of NC SES (Figure 3SA) and NC placebo (Figure 3SB), respectively. The nanoparticles population is in the nanometric range (< 1 µm).

A



B



**Figure S4.** Representative images of size distribution curves determined by dynamic light scattering (DLS) at their initial time of the NC SES (A) and NC placebo (B), respectively.