

Preparation, characterization and evaluation of the anti-inflammatory activity of epichlorohydrin- β -cyclodextrin/curcumin binary systems embedded in a Pluron-ic[®]/hyaluronate hydrogel

Ana-María Fernández-Romero¹, Francesca Maestrelli², Sara García-Gil³, Elena Talero³, Paola Mura², Antonio María Rabasco¹ and María Luisa González-Rodríguez^{1*}

1. Department of Pharmacy and Pharmaceutical Technology, Faculty of Pharmacy, Universidad de Sevilla, C/Prof. García González 2, 41012 Seville, Spain; anaferrom2@alum.us.es (AMFR); amra@us.es (AMR); malugoro@us.es (MLGR)

2. Department of Chemistry "Ugo Schiff" (DICUS), University of Florence, via Schiff 6, Sesto Fiorentino, 50019 Florence, Italy; francesca.maestrelli@unifi.it (FM); paola.mura@unifi.it (PM)

3. Department of Pharmacology, Faculty of Pharmacy, Universidad de Sevilla, C/ Prof. García González 2, 41012 Seville, Spain; saragarciaGil2307@gmail.com (SGG); etalero@us.es (ET)

Correspondence:

*María Luisa González-Rodríguez (corresponding author): malugoro@us.es. Address Department of Pharmacy and Pharmaceutical Technology, Faculty of Pharmacy, Universidad de Sevilla, C/Prof. García González 2, 41012 Seville, Spain

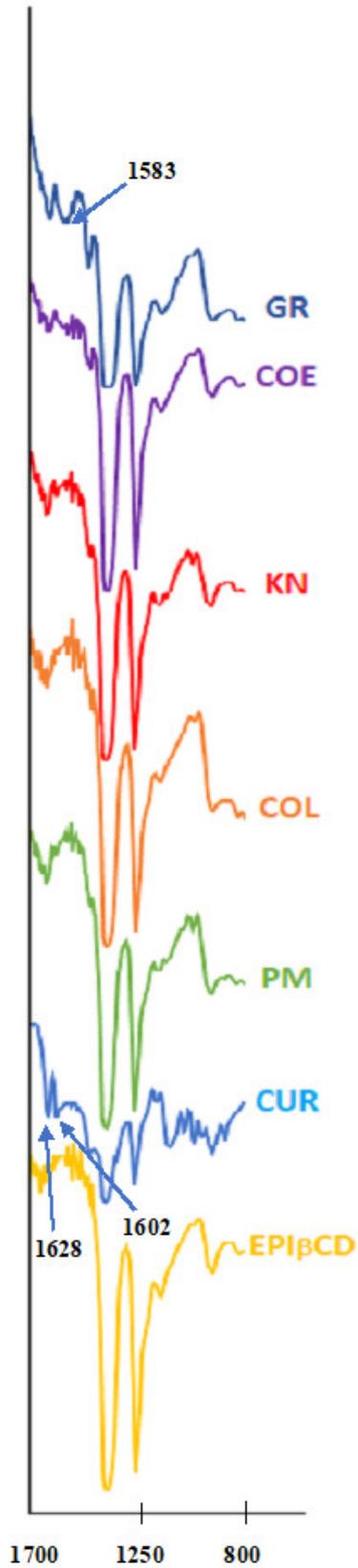


Figure S1: Augmented section of FTIR spectra. Abbreviations: GR, co-grinding; COE, co-evaporation; KN, kneading; COL, co-lyophilization.

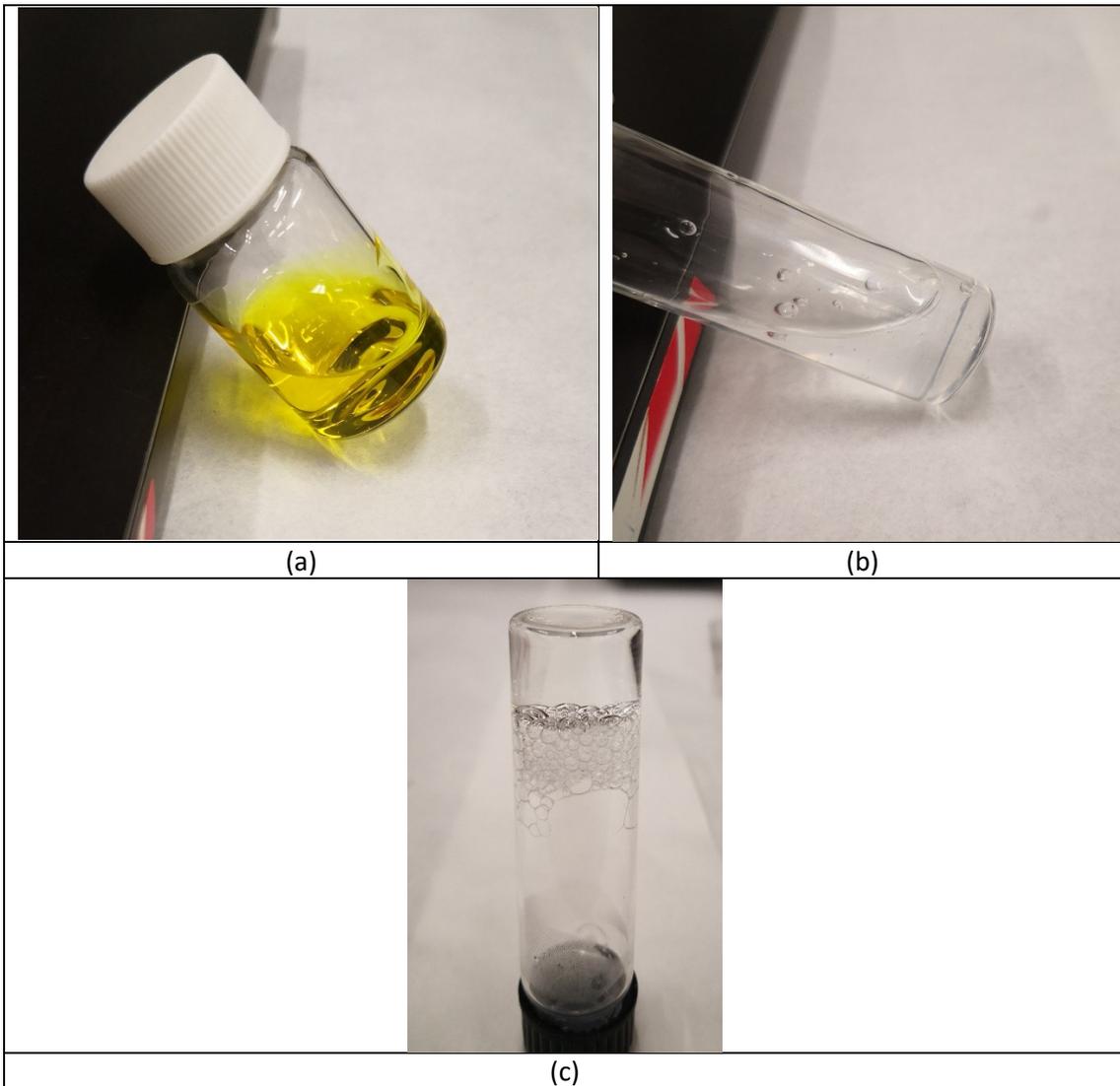


Figure S2: Photos of optimized hydrogel with CurEpi binary system (a), optimized hydrogel empty (b) both heated at 20°C for 5 min and Pluronic® F-127 17% w/v (c) heated at 40°C for 5 min.