EVALUATION OF CHITOSAN MICROPARTICLES CONTAINING CURCUMIN AND CROSSLINKED WITH SODIUM TRIPOLYPHOSPHATE PRODUCED BY SPRAY DRYING

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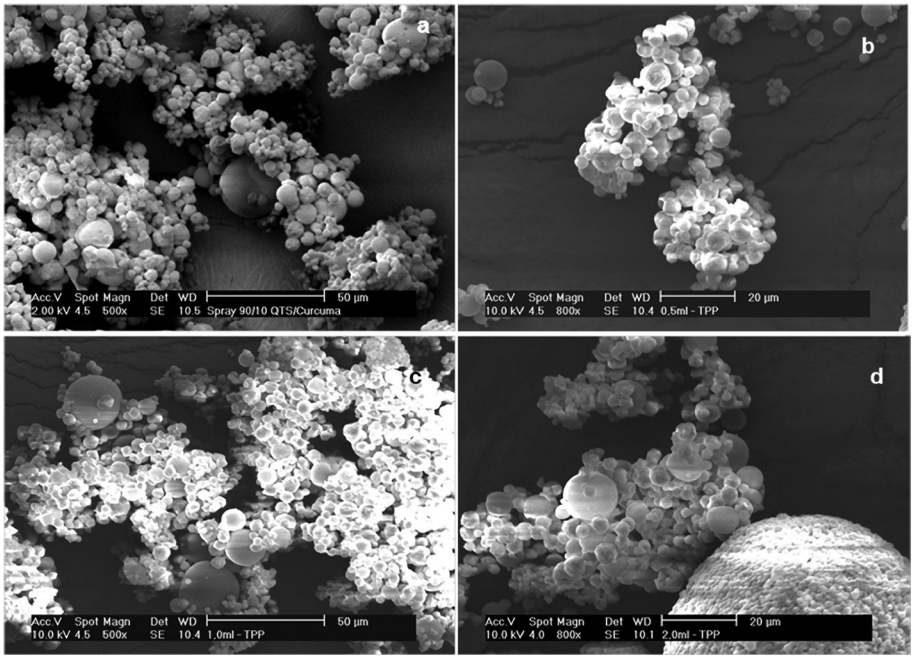

Figure 1S. *Scanning electronic microscopy (SEM) of chitosan microparticles containing curcumin and crosslinked with sodium tripolyphosphate: a) F_1 (magnification of 500 x), b) F_2 (magnification of 500 x), c) F_3 (magnification of 500 x) and d) F_4 (magnification of 800 x)*

Table 1S. Thermogravimetric data obtained in differential thermogravimetric analysis of all formulations

Formulation	Stage 1		Stage 2		Stage 3		Residual mass at 600 °C (%)
	T_1[a]	P_1[b]	T_2[a]	P_2[b]	T_3[a]	P_3[b]	
Spray-dried Chitosan	52	9	187	13	302	43	28
F1	51	9	151	12	311	47	23
F2	40	13	157	9	289	57	21
F3	66	5	142	10	285	61	24
F4	58	10	160	9	283	60	21
Curcumin	67	2	321	28	402	32	38

[a] Temperature of maximum degradation in the stage, in °C. [b] Percentage mass loss in the stage.

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