

Supplementary File

Table 1: Summary of each factor effect and its p-values for responses Mean globule size (nm) and Encapsulation Efficiency (%)

Factor	Mean globule size (nm)		Encapsulation Efficiency (%)	
	Factor effect	p value	Factor effect	p value
Intercept	176.31		71.31	
X ₁ [@]	12.95	0.0031	6.01	0.030
X ₂ [§]	-8.39	0.0245	-11.67	0.0012
X ₃ [*]	8.01	0.0295	-4.37	0.088
X ₁ X ₂ ^ε	2.64	0.5444	-6.85	0.0647
X ₁ X ₃ ^ε	-13.49	0.0141	6.88	0.064
X ₂ X ₃ ^ε	-6.65	0.1537	-5.71	0.110
X ₁ ^{2α}	-9.343	0.0545	5.74	0.102
X ₂ ^{2α}	3.34	0.4370	-6.91	0.057
X ₃ ^{2α}	-8.195	0.0828	-17.44	0.0007

[@] Capryol 90 (oil); [§] HPMCAS-HF (polymer); ^{*} Aerosil 200 (adsorbent)

^ε Interaction terms; ^α high order effect

Figure 1 [A]: Evaluation of the standardized effects of the Capryol[®] 90 (X₁), HPMCAS-HF (X₂) and Aerosil[®] 200 (X₃), and their interactions on mean globule size (Y₁)

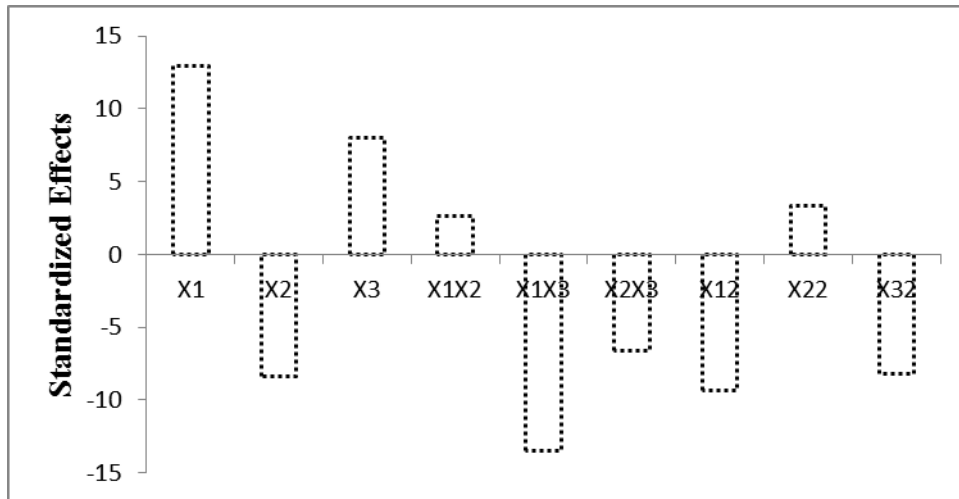


Figure 1 [B]: Evaluation of the standardized effects of the Capryol[®] 90 (X₁), HPMCAS-HF (X₂) and Aerosil[®] 200 (X₃), and their interactions on encapsulation efficiency (Y₂)

