Supplement pages

Table 1: The analysis of variance for the response surfaces obtained for particle size, polydispersity, encapsulation efficiency and drug loading.

Measure	Particle size	Polydispersity	Encapsulation efficiency	Drug loading
F value	30.87	9.25	14.15	9.37
P>F[a]	<0.0001	0.0009	0.0001	0.0008
Degree of freedom of model	9	9	9	9
RMSE	7.36	0.012	4.79	1.05
R^2	0.9653	0.8927	0.9273	0.8940
Coefficienct of variance	4.85	8.93	6.10	7.73
Adequate precision[b]	24.433	12.691	10.920	13.445

[a] Values indicate that confidence level for particle size polydispersibility, encapsulation efficiency and drug loading are >99.9 %.

[b] Value >4 indicates adequate precision in the model