

SUPPLEMENTARY MATERIAL

Supplementary Material Legends

Table S.1: Mean solubility of drug in different polymers at three different ratios

Figure S.1: Regression plot showing correlation coefficient of the drug release at various time intervals

Figure S.2: Parameters estimation of responses of drug release studies at 30 min.

Figure S.3: Parameters estimation for responses of drug release studies at 60 min.

Figure S.4: FTIR of (a) DRV (b) Kolliphor TPGS and (c) SD7=SD of DRV with KolliphorTPGS

Table S.1: Mean solubility of drug in different polymers at three different ratios

Polymer	Mean solubility \pm S.D. (mg/ml) (n=3)			
	Drug:Polymer (1:0.5)	Drug:Polymer (1:1)	Drug:Polymer (1:1.5)	Drug:Polymer (1:2)
Soluplus	0.346 \pm 0.017	0.535 \pm 0.016	0.654 \pm 0.019	0.823 \pm 0.023
Kolliphor TPGS	0.427 \pm 0.016	0.622 \pm 0.024	0.681 \pm 0.020	0.922 \pm 0.025
Tween 80	0.270 \pm 0.019	0.397 \pm 0.019	0.595 \pm 0.016	0.720 \pm 0.020
PVP-K30	0.168 \pm 0.018	0.232 \pm 0.016	0.243 \pm 0.016	0.316 \pm 0.019
HPMC E5	0.167 \pm 0.007	0.198 \pm 0.013	0.249 \pm 0.018	0.243 \pm 0.019
Poloxamer 188	0.216 \pm 0.014	0.281 \pm 0.015	0.397 \pm 0.013	0.400 \pm 0.012

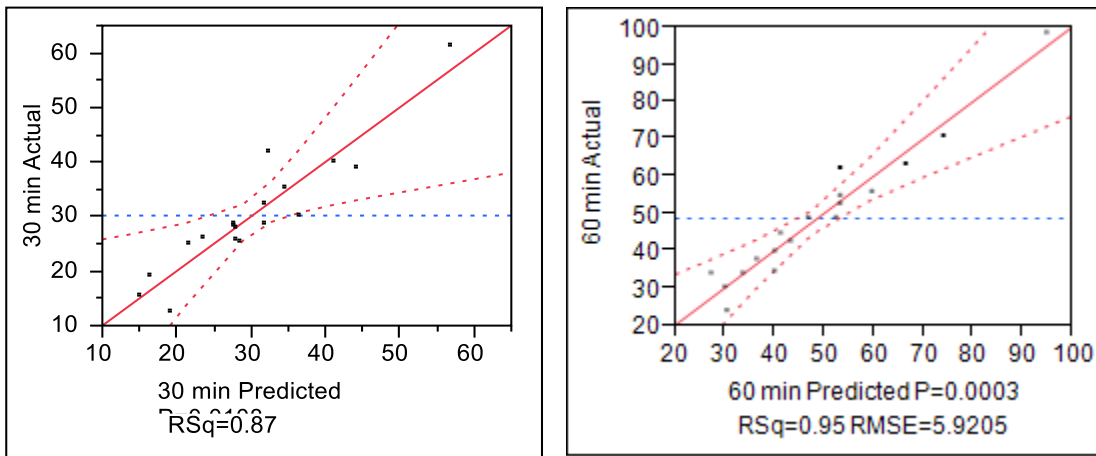


Figure S.1: Regression plot showing correlation coefficient of the drug release at various time intervals

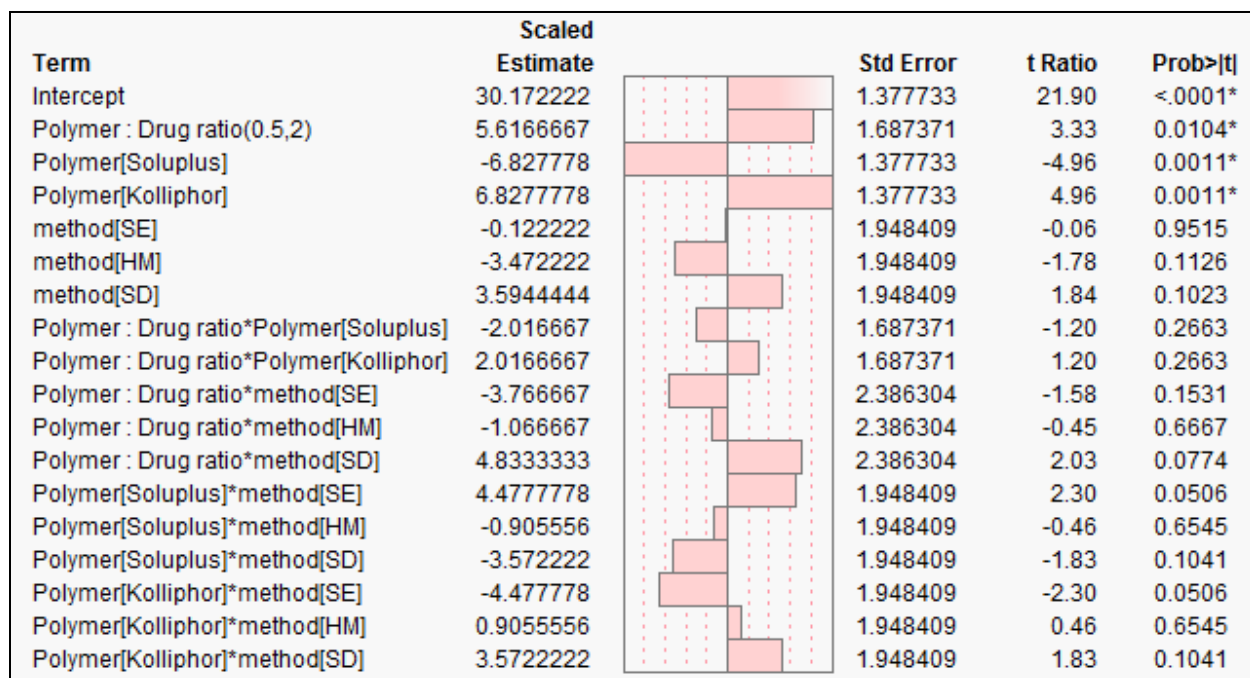


Figure S.2: Parameters estimation of responses of drug release studies at 30 min.

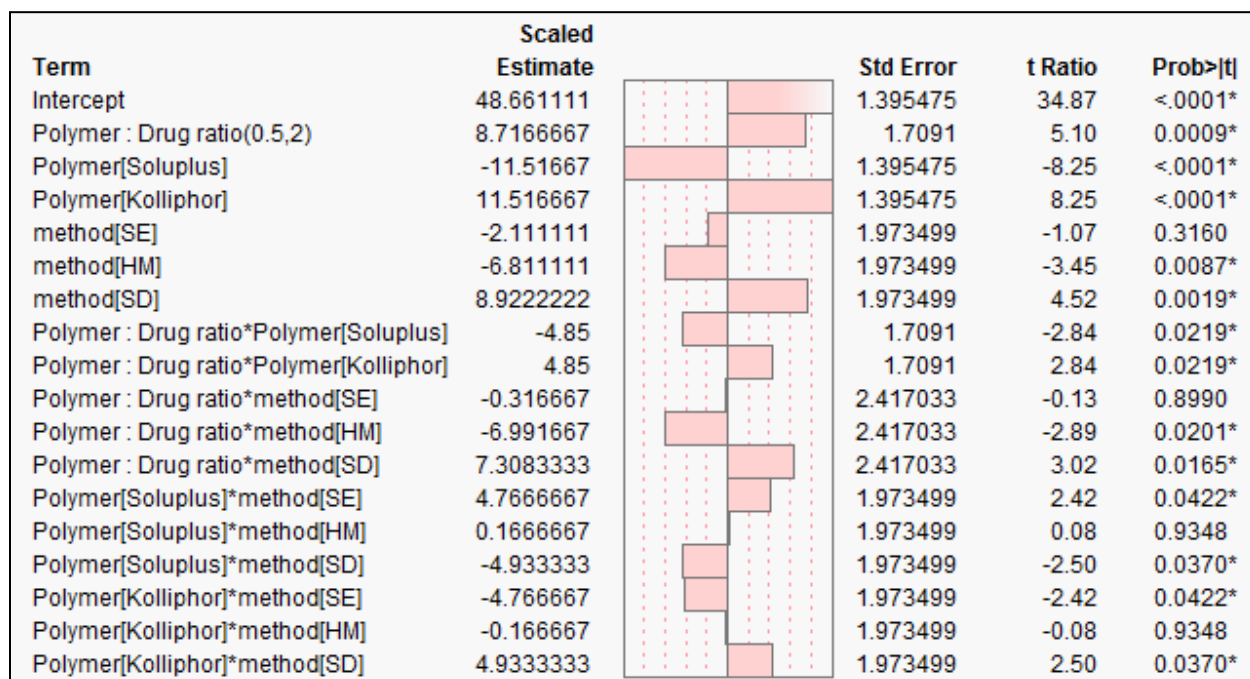
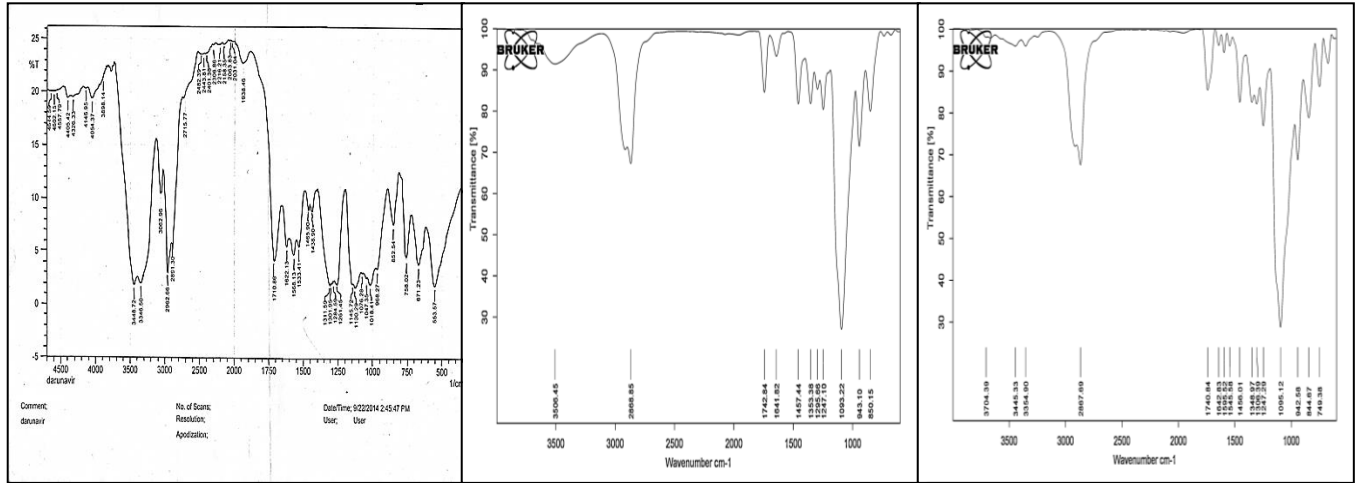


Figure S.3: Parameters estimation for responses of drug release studies at 60 min.



(a)

(b)

(c)

Figure S.4: FTIR of (a) DRV (b) Kolliphor TPGS and (c) SD7=SD of DRV with Kolliphor TPGS