

LIST OF TABLES

Table	Title	Page
2-1	Estimation of tetracycline hydrochloride in dissolution medium ...	47
2-2	Estimation of tetracycline hydrochloride in human urine ... ..	47
2-3	Estimation of hydralazine hydrochloride in dissolution medium. ... ..	53
2-4	Estimation of hydralazine hydrochloride in dog plasma ... ..	53
2-5	Estimation of tetracycline hydrochloride in presence of coating materials and excipients ...	54
2-6	Estimation of hydralazine hydrochloride in presence of coating materials and excipients ...	55
3-1	Cumulative percentage release of tetracycline hydrochloride from shellac P.V.P. matrix capsules	86
3-2	Cumulative percentage release of tetracycline hydrochloride from cellulose acetate phthalate-P.V.P. matrix capsules ... ..	87
3-3	Cumulative percentage release of tetracycline hydrochloride from glyceryl monostearate coated beads ... ..	91
3-4	Cumulative percentage release of tetracycline hydrochloride from glyceryl distearate coated beads ... ..	92
3-5	Cumulative percentage release of tetracycline hydrochloride from cellulose acetate phthalate coated beads ... ..	93
3-6	Cumulative percentage release of tetracycline hydrochloride from ethyl cellulose coated beads	94

Table	Title	Page
3-7	Cumulative percentage release of tetracycline hydrochloride from eudragit S100 coated beads...	95
3-8	Cumulative percentage release of tetracycline hydrochloride from eudragit RL100 coated beads..	96
3-9	Cumulative percentage release of tetracycline hydrochloride from eudragit RS100 coated beads..	97
3-10	Cumulative percentage release of tetracycline hydrochloride from eudragit RL100/RS100 (50:50) coated beads           ...           ...           ...	98
3-11	Cumulative percentage release of tetracycline hydrochloride from eudragit RS100 coated beads*	99
	* Plain beads contain higher concentration of tetracycline hydrochloride (75%)	
3-12	Cumulative percentage release of tetracycline hydrochloride from eudragit RS100 coated beads*	100
	* 10% Avicel was replaced with eudragit RSPM	
3-13	Cumulative percentage release of tetracycline hydrochloride from glyceryl monostearate matrix tablets           ...           ...           ...	104
3-14	Cumulative percentage release of tetracycline hydrochloride from glyceryl distearate matrix tablets           ...           ...           ...	105
3-15	Cumulative percentage release of tetracycline hydrochloride from eudragit RLPM matrix tablets	106
3-16	Cumulative percentage release of tetracycline hydrochloride from eudragit RSPM matrix tablets	107
3-17	Cumulative percentage release of tetracycline hydrochloride from eudragit RSPM/RLPM matrix tablets           ...           ...           ...	108
3-18	Cumulative percentage release of tetracycline hydrochloride <u>in vitro</u> from selected products...	110- 112

Table	Title	Page
3-19	Cumulative percentage release of hydralazine hydrochloride from glyceryl monostearate coated beads ... ..	122
3-20	Cumulative percentage release of hydralazine hydrochloride from glyceryl distearate coated beads ... ..	123
3-21	Cumulative percentage release of hydralazine hydrochloride from eudragit S100 coated beads...	124
3-22	Cumulative percentage release of hydralazine hydrochloride from eudragit RL100 coated beads..	125
3-23	Cumulative percentage release of hydralazine hydrochloride from eudragit RS100 coated beads..	126
3-24	Cumulative percentage release of hydralazine hydrochloride from eudragit RL100-RS100 (50:50) coated beads ... ..	127
3-25	Cumulative percentage release of hydralazine hydrochloride from glyceryl monostearate matrix tablets ... ..	130
3-26	Cumulative percentage release of hydralazine hydrochloride from glyceryl distearate matrix tablets ... ..	131
3-27	Cumulative percentage release of hydralazine hydrochloride from eudragit RLPM matrix tablets	132
3-28	Cumulative percentage release of hydralazine hydrochloride from eudragit RSPM matrix tablets	133
3-29	Cumulative percentage release of hydralazine hydrochloride from eudragit RLPM-RSPM matrix tablets ... ..	134
3-30	Cumulative percentage release of hydralazine hydrochloride <u>in vitro</u> from selected products...	135-136

Table	Title	Page
4-1	Comparative urinary excretion rates and total amount excreted of tetracycline hydrochloride after oral administration of controlled release and conventional products ... ..	144
4-2	Predicted serum levels of tetracycline hydrochloride after oral administration of conventional and controlled release products and their comparison ... ..	145
4-3	Pharmacokinetic parameters after oral administration of conventional and controlled release products of tetracycline hydrochloride..	146
4-4	Plasma levels of hydralazine hydrochloride after oral administration of conventional and controlled release products and their comparison	153
4-5	Pharmacokinetic parameters after oral administration of conventional and controlled release products of hydralazine hydrochloride ...	154
5-1	Data of physical stability studies of selected controlled release products of tetracycline hydrochloride on storage ... ..	163
5-2	Data of stability studies and release pattern of selected controlled release products of tetracycline hydrochloride on storage ...	164-167
5-3	Degradation rate constant (K) and shelf life of selected controlled release products of tetracycline hydrochloride at various conditions of storage ... ..	168

Table	Title	Page
5-4	Data of physical stability studies of selected controlled release products of hydralazine hydrochloride on storage	... 171
5-5	Data of stability studies and release pattern of selected controlled release products of hydralazine hydrochloride on storage	... 172-173
5-6	Degradation rate constant (K) and shelf life of selected controlled release products of hydralazine hydrochloride at various conditions of storage	... .. 174

\* \* \* \* \*