

LIST OF FIGURES

LIST OF FIGURES	PAGE No.
1.1 A Representation of the Human nose.	5
1.2 A Diagrammatical cross-section through Nasal epithelium.	5
1.3 Drug Absorption form nose	7
1.4 Mucociliary clearance of the nose.	16
1.5 Chemical structure of Chitosan	42
1.6 Calibration curve for the drug	60
1.7 UV Spectrum of the drug.	61
1.8 Development of Chromatogram	63
1.9 Particle size distribution of the drug.	70
1.10 IR of Chitosan	76
1.11 IR of pure drug	77
1.12 IR of drug polymer mixture	78
2.1 Bar graph presentation of Drug Incorporation Efficiency	83
2.2 Optical micrographs of prepared microspheres	84
2.3 Mean particle size of prepared microspheres	86
2.4 Bar graph presentation of Swelling Ability	87
2.5 Bar graph presentation of In vitro Bioadhesion Test	89
2.6 Franz-diffusion cell.	91
2.7 In vitro diffusion graph for Formulation A1.	92
2.8 In vitro diffusion graph for Formulation A2	93
2.9 In vitro diffusion graph for Formulation A3	94
2.10 In vitro diffusion graph for Formulation A4	95
2.11 In vitro diffusion graph for Formulation P1	96
2.12 In vitro diffusion graph for Formulation P2	97
2.13 In vitro diffusion graph for Formulation P3	98
2.14 In vitro diffusion graph for Formulation A3R1	99
2.15 In vitro diffusion graph for Formulation A3R2	100
2.16 In vitro diffusion graph for Formulation A3G1	101
2.17 In vitro diffusion graph for Formulation A3G2	102
2.18 In vitro diffusion graph for Formulation A3EP1	103
2.19 In vitro diffusion graph for Formulation A3EP2	104
2.20 In vitro diffusion graph for Formulation A3EP3	105
2.21 In vitro diffusion graph for Formulation A3DOSS1	106

2.22	In vitro diffusion graph for Formulation A3DOSS2	107
2.23	log % Drug remaining Vs Time (Days)	109
2.24	In vitro diffusion graph of Batch A3 after Stability Study.	110