

4. Experimental Set-Up

4.1 Materials used in the present investigation

Nifedipine	:	Lincoln Pharmaceutical Ltd., India.
Nimodipine	:	Lincoln Pharmaceutical Ltd., India.
Nitrendipine	:	Spansules Formulation, Hyderabad.
HPMC Different Grades	:	Ruitai Pharmaceutical Co, China.
HPC	:	Ruitai Pharmaceutical Co, China.
Polyethylene glycol 6000	:	Loba Chemie. Pvt. Ltd., Mumbai.
Polyvinyl alcohol	:	Loba Chemie. Pvt. Ltd., Mumbai.
Polysorbate 80	:	Loba Chemie. Pvt. Ltd., Mumbai.
PVP K 30	:	Loba Chemie. Pvt. Ltd., Mumbai.
Sodium lauryl sulphate	:	Loba Chemie. Pvt. Ltd., Mumbai.
Sodium acetate	:	S.D. Fine Chem. Ltd.
Acetic acid	:	S.D. Fine Chem. Ltd.
Hydrochloric Acid	:	S.D. Fine Chem. Ltd.
Zirconia beads	:	Unigenetics Pvt. Ltd., Delhi.

4.2 Instruments used in the present investigation

Mechanical Stirrer	:	Remi Equipments Pvt. Ltd
Magnetic stirrer	:	Remi Equipment Pvt. Ltd,
Digital weighing balance	:	Shimadzu, Japan
pH meter	:	Systronic, 335 pH meter.
Ultrasound Sonicator	:	Trans-o-Sonic, Mumbai
Microscope	:	Usico, India
UV Spectrophotometer	:	Shimadzu UV-1601 UV/Vis double beam Spectrophotometer (Kyoto, Japan).
Dissolution test apparatus (Electrolab,	:	Dissolution test apparatus-TDT-06T Mumbai, India).
DSC- Shimadzu 60	:	Shimadzu Co., Kyoto, Japan
Particle size analyzer	:	Malvern Instruments, UK.

4.3 List of software used during the study

The following software were used during the study

1. Microsoft Office 2007
2. Sigma Plot 11.0 (Sigma Plot Inc, USA)