

# ISF ANALYTICAL LABORATORY (ISFAL)

## COMPANY'S PROFILE

### 1. EQUIPMENT LIST (HIGHLY SOPHISTICATED INSTRUMENTS)

Equipment Name	Make	Model
FTIR Spectrometer	THERMO	iS5 Nicolet
HPLC with PDA detector	WATERS	WAT 207000(System) 515(Detector)
Fluorescence Spectrophotometer	PERKIN ELMER	LS-45
HPTLC	CAMAG	Linomat5(Applicator) (HPTLC Scanner 3)
UV-VIS Spectrophotometer	SHIMADZU	UV-1700
Auto Titrator with KF Attachment	METTLER TOLEDO	T-50
Gas Chromatograph	NUCON	5765
Muffle Furnace	LABCO INDIA	AI-7981
Dissolution Testing Apparatus (with Auto-Sampler)	LABINDIA	DISSO 2000
Lyophilizer	LAB TECH	LTFD-5505
Refrigerated Centrifuge	SIGMA	3K30
Zetasizer	BECKMAN COULTER INC.	Delsa Nano 4C
CO <sub>2</sub> Incubator	NEW BRUNSWICK	Galaxy 170 S
Shaking Incubator	LAB TECH	LBS-1005 RE
Probe Sonicator	LABMAN	U209
Hot air Oven	MAC	MSW-211
Analytical Balance	METTLER TOLEDO	AB204S/FACT
Vacuum Oven	TAIE(TAIWAN)	NA
Research Centrifuge	REMI	R-24
Laminar air flow	ACCO	LF24
Inverted Fluorescence Microscope	OLYMPUS	CX21i

## 2. ISFAL: AREAS OF TESTING

Instrumental Assays	HPLC (PDA Detector/ RI Detector/ Fluorescence Detector)
	HPTLC
	FTIR
	Fluorimetric Assay
	UV/VIS Spectrophotometric Assay
	GLC Assay by GC-FID
Titrimetric Assays	Aqueous Titration
	Argentometric Titration
	Complexometric Titration
	Non Aqueous Titration
	Potentiometric Titration
Stability Studies	Accelerated
	Long term
	Intermediate
Limit Tests	Arsenic, chloride, heavy metals, Iron, Lead
Loss on Drying	Simple LOD, Vacuum LOD, Loss on Ignition, Ash Value
Viscosity	Brookfield Viscometer ( Dynamic Viscosity)
	Ostward Viscometer (Kinematic viscosity)
Dissolution Test	
Average Net Content of Dosage Forms	
Acidity And Alkality	
Density/Bulk Density	
Optical Rotation	
Disintegration Time	
Clarity and Colour of Solution	
Average Weight of Dosage Forms	
Boiling Range/Distilling Range	
Friability Testing	
Refractive Index	
pH Value	
Solubility Testing	