



DR. RAJENDRA GODE COLLEGE OF PHARMACY, MALKAPUR

Approved by PCI , AICTE Affiliated to SGBAU Amravati & MSBTE Mumbai



CENTRAL INSTRUMENTATION FACILITY

SOPHISTICATED INSTRUMENTS

Instrument	Make / Model	Role / Application
Spectroscopic Instruments		
UV-Visible Spectrophotometer 	Shimadzu UV-1800	Quantitative analysis, absorbance/transmittance studies
FTIR Spectrometer 	ThermoFisher Scientific/Nicolet iS5	Identification of functional groups, qualitative analysis
Chromatographic Instruments		
High-Performance Liquid Chromatography (HPLC) 	Shimadzu SPD- M20A/ Prominence	Separation, identification, quantification of compounds in mixtures

Gas Chromatography (GC)



ThermoFisher/
Trace1110

Analysis of volatile and semi-volatile
compounds

Thermal Analysis

Differential Scanning Calorimeter (DSC)



Mettler Toledo/ DSC1
Star System

Measures thermal transitions (melting,
crystallization, glass transition)

Miscellaneous Analytical Equipment

Spray Dryer



Labultima/LU222
Advance

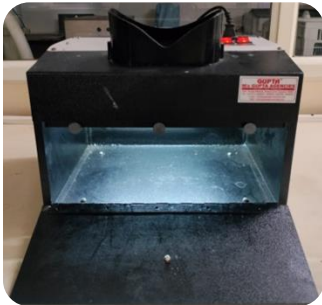
To convert a liquid or slurry into a fine,
dry powder by atomizing it into droplets
and exposing them to hot air

Ultra Probe Sonicator



PCi/PS-120W

Dispersion and homogenization

UV Cabinet 	Gupta Agencies	To disinfect and sterilize items by using UV-C light to damage the DNA/RNA of microorganisms, rendering them harmless and Use for fluorescences study.
Bath Sonicator 	Labtronics/ LT-350	Dispersion and homogenization
Centrifuge (Microcentrifuge) 	Remi	Phase separation, purification
Brookfield Viscometer 	Fungilab/EXPER (L)	To measure the viscosity (resistance to flow) of fluids and semi-solids by measuring the torque required to rotate an immersed spindle at a constant speed

Teflon Lined Autoclave 	City Instrument, Faridabad	Synthesis of Nanoparticle/ Chemicals
Fluorometer 	Elico CLS3	To measure the fluorescence of a sample by detecting the light it emits after being excited by a specific wavelength of light
Stability Chamber 	Remi	To evaluate a product's quality, durability, and shelf life by subjecting it to controlled environmental conditions like temperature, humidity, and light

Consultancy Available For sample delivery use following address (add enclosed letter on letter head or assigned authority)	For payment (100% advance)
Dr. Prashant K. Deshmukh, Principal, IBSS, Dr. Rajendra Gode College of Pharmacy, Malkapur, Dist – Buldhana, (M.S.) India 443 101. Phone – +91-8308827339 Email – drgcpmalkapur@gmail.com	Send demand draft in favour of – “DR. RAJENDRA GODE COLLEGE OF M.PHARM, MAL.” Payable at Malkapur For online payment and slot booking contact- Consultancy In-charge, Dr. Rajendra Gode College of Pharmacy, Malkapur