

LAB EQUIPMENTS

1. Hot Air Oven

Hot air oven is primarily used as a dry heat sterilisation technique in a particular period of time under specific conditions. Dry heat is used to sterilize materials that can't get wet. This technique is suitable for articles like glassware, powders, oil containing materials, metal equipment. Hot air oven works in a manner so that items placed inside the oven don't catch fire or meltdown.

Specifications: ALMICRO, AI7781, Quantity : 1



2. Digital Refractometer

A refractometer is a laboratory or field device for the measurement of an index of refraction which allows to determine the concentrations of aqueous solutions such as gases,

liquids, and translucent solids such as salt, sugar or battery acid thus providing highly precise measurements. Abbe refractometers are the larger bench laboratory refractometers that provide highly accurate measurements of refractive index.

Specifications: ABBE REFRACTOMETER- LABMAN, SL NO:L332732, Quantity : 1



3. Digital Potentiometer

A potentiometer is a variable resistor that can be used in a circuit to control resistance, current, and voltage through a circuit to attain a certain output. Laboratory Digital Potentiometer is a highly stable, reliable and accurate results giving lab instrument that is

used for oxidation-reduction, potentiometric and acid based chemical analysis. This instrument has a digital LED display on which process results are displayed in millivolts.

Specifications: INFRADIGI MODEL:IR517C SL NO:PIS39373, Quantity : 3



4. Digital Photo Colorimeter

Colorimeter refers to a device that is used to measure the wavelength of lights. Colorimeters are used for a wide variety of applications in the chemical and biological fields including, but not limited to, analysis of blood, water, soil nutrients and foodstuffs,

determination of solution concentration, determination of reaction levels, and determination of bacterial crop growth.

Specifications: 1. SYSTRONICS TYPE113 SL NO: 08296

2. INFRADIGI, 506C, SL NO: DCM40146

Quantity : 2



5. Digital Conductivity Meter

Conductivity meter allows us to measure the level of conductivity in solutions. Conductivity is used widely to determine the level of impurities in water supplies for domestic consumption, wastewater, water quality testing, as well as industrial use.

Specifications: INFRADIGI MODEL: IR503A SL NO: MCDMK-11236, Quantity : 3



6. Digital P^H Meter

A pH meter is an instrument used to measure hydrogen ion activity in solutions - in other words, this instrument measures acidity/alkalinity of a solution. An electronic pH meter is used to obtain more accurate pH measurements.

Specifications: ALPHA 01, SL NO: 21030228, Quantity : 2



7. IR Lamp

Infrared lamps are electrical devices which emit infrared radiation. Infrared lamps are commonly used in radiant heating to dry samples from evaporating dishes

Specifications: New SONY 150W 250V, Quantity : 2



8. Electronic Balance

Electronic balance is an instrument for the laboratories used in the accurate measurement of weight of chemicals and provides digital result of measurement.

Specifications: 1. INFRADIGI IM-210 SL NO:ELB11138

2. SHIMADZU SL NO: D307039831

Quantity : 2



9. Water Deioniser

Deionized water removes ions such as cations from sodium, calcium, iron, and copper, and anions such as chloride and sulphate from water with the use of synthetic resins. The ions are removed from the water through a series of chemical reactions. These reactions occur as the water passes through the ion exchange resin beads. Gradually, all unwanted ions are replaced by hydrogen and hydroxyl ions which combine to form pure water.

Specifications: AQUOION WM-50, Quantity : 1



10. Centrifuge

A centrifuge works by using the principle of sedimentation. Under the influence of gravitational force, substances separate according to their density. We can separate the precipitate from the mother liquor using this instrument.

Specifications: KEMI, Sl. No. 2833, Quantity : 8



11. Eyewash Station cum

Laboratory eyewash stations provide emergency decontamination for the eyes and face. If a hazardous substance enters or interacts with your eyes, you can use an emergency eyewash station to flush it out immediately. Eyewash stations in laboratories should only be used for emergencies.

Specifications: RESCHOLAR, Quantity : 1



12. Vacuum Pump

Laboratory vacuum pumps are used routinely in labs to provide suction to drive the aspiration or filtration of liquid or suspended samples. To induce or control solvent evaporation by reducing vapor pressure, as in ovens, rotary evaporators, gel dryers, and concentrators.

Specifications: AVAIN LABS, Quantity : 1



13. Electric Bunsen Burner

A Bunsen burner, named after Robert Bunsen, is a kind of ambient air gas burner used as laboratory equipment; it produces a single open gas flame, and is used for heating, sterilization, and combustion.

Specifications: SUNTEK, Quantity : 5



14.Fire Extinguisher

A fire extinguisher is a handheld active fire protection device usually filled with a dry or wet chemical used to extinguish or control small fires, often in emergencies.

AGNI SHIELD 65471, Quantity : 3



15.Refrigerator

The laboratory refrigerator is mainly used for preservation of temperature sensitive chemicals.

SAMSUNG-DOUBLE DOOR, 253 L, Quantity : 1

