

LAB 4. CONFECTIONERY & BAKING LAB

FPPT-243 Cereals & baking technology

FPPT-263: Confectionery & Snack foods

FPPT-382: Hospitality Management

LIST OF MACHINERY & EQUIPMENT

S.NO	EQUIPMENTS / MACHINERY	SPECIFICATIONS	QTY
1.	DIGITAL ELECTRONIC BALANCE 4 DIGITS	- Capacity: 220 g - Power Supply: battery /mains 230 V, 50 Hz EUROPE, USA, UK, JAPAN or equivalent	02
2.	ELECTRONIC TOP LOADING BALANCE (5 kg)	- Height adjustable feet - Power Supply: battery /mains 230 V 50 Hz EUROPE, USA, UK, JAPAN or equivalent	02
3.	HAND REFRACTROMETER	- Measurement range 0–95 % Brix (1.3330–1.5318 nD) - Accuracy 0.1 % Brix (0.00015 nD) - Resolution 0.1 % Brix (0.0001nD) - Temperature measurement 5–40 °C - Temperature accuracy 0.5 °C - Prism Optical glass EUROPE, USA, UK, JAPAN or equivalent	02
4.	LABORATORY DIGITAL REFRACTROMETER	- Optical refraction critical angle detection system - Built in thermo module - Brix & refractive index - Brix range: 0.00 to 95.00% - Refractive index: 1-2nD - Accuracy: +0.03% EUROPE, USA, UK, JAPAN or equivalent	01
5.	PORTABLE pH METER	- Measurement Range 0.00...14.00 pH - Display Liquid crystal EUROPE, USA, UK, JAPAN or equivalent	02
6.	PORTABLE TDS METER	Measurement ranges 0.0	01

		• $\mu\text{S/cm} \dots 199.9 \text{ mS/cm}$ • TDS mg/l...199.9 g/l (TDS) • • Display White backlight liquid crystal • Input Mini-Din EUROPE, USA, UK, JAPAN or equivalent	
7.	Rapid moisture analyzer	• Sample size 4-6gram • Infrared lamp • Voltage(V) Freq.(Hz) 230V 50Hz • UK,USA,JAPAN or equivalent	01
8.	Desktop pH METER	• Measurement Range 0.00...14.00 pH • Display Liquid crystal EUROPE, USA, UK, JAPAN or equivalent	03
9.	DOUGH PROOFER	• Weight Capacity:- 40 lbs • Height:- 60 inches • Seat depth: - 10 Inch. Local Made	01
10.	ROSE HEAD MACHINE	• Temperature:- 80°C • Drum at atmospheric pressure • Full SS Body • High Power Electric Motor Local Made	01
11.	JUICE EXTRACTOR	• Juicer (220-240V/260W-50Hz) • Capacity: 500ml, • Easy clean design • Juice level indicator • Pulp and seed separator • Full SS Body • High Power Electric Motor Local Made	02
12.	JUICE BLENDER	• Juicer and blender all in one • 2 speeds and pulse • Voltage: 220 V • Blender jar • Juice jug • Mill GERMANY,UK,JAPAN,USA,EUROPE	01

13.	DOUGH MIXING MACHINE	- Machine Material: Stainless Steel - Capacity: 20 Kg - Speed Bowl: 250-300 RPM - Dough and batter mixing hooks - Dismantling of bowl for cleaning - Transmission: Gear& Belt UK,GERMANY,USA,JAPAN or equivalent	02
14.	GAS FIRED BAKING OVEN	- Digital display of temperature - Timer - Bakery gas deck oven Layer:1,2,3,4 Trays:3,6,9,12 Layer dia (LxWxH): 1300x750x230mm Source: Gas, Electric Local Made	01
15.	DOUBLE JACKETED ELECTRIC KETTLE	- SS made - Capacity 20 L Local Made	01
16.	BGYF EQUIPMENT	For aflatoxins/qualitative and quantitative	01
17.	SIEVING SYSTEM		01
18.	EXTRUDER		01
19.	Air FRYER		01