

No.	Instrument details	Machine manufactured year	Description	Time consumed for test	Cost/ Rs
01	Gas Chromatography Mass Spectrometer (GCMS)	2014	Pesticide residues, Phytochemicals	Approximately 1 hour	8,000.00 without sample preparation cost
02	High Performance Liquid Chromatograph (HPLC) with Diode array, Reflective index, and Fluorescence detectors	2014	Sugar, Vitamins, Some phytochemicals	20 minutes to 1 hour	5,000.00 without sample preparation cost
03	Atomic Absorption Spectrometer (AAS)	2014	Heavy metals (ppm levels only)	5 min/ sample	3,000.00
04	Microwave digester	2014	Digestion of samples	1 hour	2,500.00
05	Gas chromatograph	2018	Gas sample analysis (Ethylene, O ₂)	20 min to 1 hour	7,000.00
06	Spectrophotometer*	2014	Absorbance	5 – 10 min	1,000.00
07	De-ionized water plant	2014	Need for all analysis		
08	Image processing microscope	2018	Microbiology analysis	Depend on the type of analysis	500.00
09	Laminar flow cabinet	2018	Microbiology analysis		
10	Incubators	2018	Microbiology analysis		
11	Coliform water bath	2018	Microbiology analysis		
12	Autoclaves	2018	Microbiology analysis		
13	Freeze dryer*	2018	Dehydration of samples		1,000.00
14	Food texture analyzer	2019	Texture of bakery products	1 hour	2,000.00
15	Refrigerated Centrifuge	2017	Centrifuge of samples at low temperature		
16	Heat pump dryer	2019	Dehydration of samples	1 – 2 days	7,500.00/ batch
17	Cold rooms		Cold chain analysis of fruits and vegetable		
18	Fume hood	2006	Supporting for some analysis		
19	Sample digesters	2006	Protein analysis		

* need to be repaired.

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