

Specification for Water Activity Meter

S.No.	Particulars	Specification
1.	Type	The equipment should be static, bench-top model for indoor use.
2.	Weight	< 5 kg
3.	Operating environment	The equipment should be able to function between environmental temperature range of 5-50°C and 20-90% relative humidity
4.	Power source	100/230V; 50/60Hz
5.	Water activity (a_w) measurement range	0.040 – 1.000 a_w , preferably with trend indicator
6.	Accuracy	Not more than $\pm 0.005 a_w$ with high degree of repeatability and reproducibility
7.	Measurement time/Read Time	≤ 6 minute
8.	Temperature and humidity adjustment	The equipment should have provision for automatic temperature and RH adjustment
9.	Sample port/size (Dish capacity)	10-30 ml
10.	Sample versatility	The equipment should be able to measure water activity of diverse food products in solid, liquid, or semi-liquid forms
11.	Display	Clear digital display (TFT/LED/LCD etc)
12.	Standard accessories	Sample cups (10 Cups if reusable/ at least 100 if disposable cups)
13.	Optional accessories	Printer : To print data straight from the equipment in real time. Other optional accessories may also be mentioned in the offer document
14.	Standards	Should conform to international standards such as ISO, CE, EMC etc

