
Annexure II

TECHNICAL SPECIFICATION OF PORTABLE ARSENIC ANALYZER

Based on Voltammetry principal (wide-band low-noise amplifier & potentiostat/ Galvanostat):

Voltage Range: ± 4 V

Current Range: ± 40 mA

Current Measurement: Ranges (10nA to 10mA)

Measured current Resolution: 1pA

Interface: USB

System should be with stirrer, measuring vessel, suitable pipettes, carrying case facility, gold wire screen-printed electrode and compatible laptop. Flexible & comprehensive windows based software needs to be provided with facilities for quantitative or qualitative analysis & following measurement techniques:

- Differential Pulse (DP)
- Square-wave (SQW)
- Linear Sweep

Detection limit: ≤ 10 $\mu\text{g/L}$ of Arsenic