

Corrigendum of Revised Specifications

Sr.	Item	Specifications
1.	Kjeldahl Nitrogen Analyzer	Type: Automatic Kjeldahl/Nitrogen Analyzer with block digestion assembly • Type: Automatic Kjeldahl Nitrogen Analyzer • Steam Addition: Automatic • Boric Acid Addition: Automatic • Distilled Water Addition: Automatic • Alkali Addition: Automatic • Residue Drain: Automatic • Display: 7-inch Colour Touch Screen • Tube Capacity: 250 ml - 400 ml • Steam Power Regulation: 10–100%, Adjustable • Minimum Distillation Time: 5 Minutes • Measuring Range: 0.1 – 200 mg Nitrogen • Nitrogen Recovery: >99.5% • RSD: <1% • LOD (Analysis scope): 1–200 mg Nitrogen (0.1 mg Resolution) • Cooling water consumption: 1.2 – 3 L/min • Programs: 30 user definable • Over-temperature and dry-run protection • PC Connectivity: Yes • Power Supply: 230 V, 50 Hz • Power: 2000W <u>Block digestion assembly specifications</u> • Type: Block digester • Number of positions: 8 • Tube capacity: 250 / 400 ml • Temperature range: Ambient to 470°C • Temperature precision: $\pm 1^{\circ}\text{C}$ • Timer: Up to 1200 minutes • Ramp & hold: Up to 4 steps • Presets: Up to 50 • Auto scrubber: Yes

		• PID control & auto-lift: Yes • Display: Graphical LCD • Body: Stainless steel with FRP control panel • Power consumption: 1400 W
2.	Atomic Absorption Spectrophotometer with Manual Digestion Assembly	• Optical System: Double beam • Monochromator: Czerny-Turner, 300mm focal length • Wavelength range: 180-900nm • Grating: Holographic, 1800 lines/mm • Detector: UV sensitive photomultiplier tube • Slits: Automated (0.1-2.0nm) • Lamp turret: Automatic 8-lamp • Background correction: Deuterium (D2) & self-reversal • Burner: Titanium 100mm • Nebulizer: high efficiency glass • Gas control: Programmable & software controlled • QA/QC & expert system software included • Power: 110/220V, 50/60Hz • Compatible for the estimation of micronutrient like Fe, Zn, Cu, Mn
3.	Block Digestion System	• Type: Block digester • Number of positions: 8 • Tube capacity: 250 / 400 ml • Temperature range: Ambient to 470°C • Temperature precision: $\pm 1^{\circ}\text{C}$ • Timer: Up to 1200 minutes • Ramp & hold: Up to 4 steps • Presets: Up to 50 • Auto scrubber: Yes • PID control & auto-lift: Yes • Display: Graphical LCD • Body: Stainless steel with FRP control panel • Power consumption: 1400 W
4.	Fume Hood	• Construction: at-least 50μm thick powder coated CRC sheet (minimum 1.0 mm thick) • Work Table: Chemical resistant Granite Top with round edges • Inner lining made of chemical resistant laminate/ FRP sheet

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		• Resistant to acids, alkali, and common laboratory material • Remote valves for water and gas connections fitted on the right outer wall • Sink: Chemical resistant with tap • Blower: PP Centrifugal blower, ISI Mark • Illumination: >800 lux • Noise level: ≤65 dB • Power supply: 220V, 50-60Hz • Size: 6x2x2 feet
5.	UV-Visible Spectrophotometer	• Type: Double beam • Wavelength range: 190–1100 nm • Bandwidth: 1 nm • Scan speed: ≥28,000 nm/min • Detector: Silicon photodiode • Accuracy: ±0.1 nm • Photometric range: -4 to +4 Abs • Software: Photometric, spectrum, kinetics, quantitation • Connectivity: Touch screen, USB, PC, printer • Light source: Deuterium & halogen lamps • Supplied with online UPS

Note:

1. All warranty and support must be serviced directly by the OEM or should be from Authorized System Integrator Partner who is authorized to support the product quoted. MHU Karnal requires that there be a Single Point of Contact (SPOC) from OEM/ Vendor who is responsible for all issues between MHU Karnal and the OEM.

[Signature] - Alisha