Initial Specifications of Ultraviolet Protection Factor Tester {PPRA Rule-36(d), C&F basis}

Wavelength accuracy = Minimum ±0.5nm
Measurement area = Minimum 0.5 cm^2
Auto flash
Data acquisition and monitoring system
Should be able to measure UPF of fabric as per following standards: AATCC 183:2010, GB/T18830:2009, AS/NZS 4399:1996, EN 13758-1:2002
Should be able to measure UVA= UVB ratio of fabrics and Critical Wavelength
Should have provision to define any standard by users

Initial Specifications of Ultra Sonic Cleaner Digital (Ultrasonic Cleaning Bath), {PPRA Rule-36(d), FOR basis}

Tank Capacity= Minimum 5 Liters
Timer = Minimum upto 100 min
Temperature = upto 80 °C
Frequency= Minimum 30KHz
Degassing Function= Yes

Initial Specifications of UV-Vis Spectrophotometer {PPRA Rule-36(d), C&F basis}

Wavelength range = 180nm-1200nm
Wavelength accuracy = Minimum ± 0.2nm
Spectral Bandwidth = Minimum 1nm
Optical double beam
USB computer interface
Photometric Accuracy = Minimum ±0.001A
Data acquisition and monitoring system

Specifications of Precision Balance (Weighing balance), {PPRA Rule-36(b), FOR basis}

Capacity = 200g-250g
Readability = 0.0001g
Calibration = Internal as well external
Display = LCD, backlit
Units of Measurement: mg, g, ct, GN, oz, ozt, dwt, custom unit
Repeatability (S.D.)= 0.0001g - 0.0002g
Pan/ plate form size = 3.25" Ø - 4" Ø
Display = LCD

Initial Specifications of Horizontal Flow Oven {PPRA Rule-36(d), FOR basis}

Capacity = Minimum 100L
Temperature Range = Ambient to 250 °C
Air Flow by Forced Convection Mechanism
Provision to program the heating cycle
Interface for Monitoring and Controlling with PC
Corrosion resistant stainless-steel chamber
Digital LCD Display

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