



**TECHNICAL DATA SHEET**

**Biohood-100 FEATURES:**

1. General data:

Packing before use: Individual vacuum pack Pocket size. Shelf Life: 5 years, or until outer plastic pack is broken or ruptured or torn.

Storage Conditions: Regular room temperature (5°-35°C)

2. General Specifications

#	Property	Characteristics and Tests
1.	Hood material	Transparent 5-layered laminate resistant to penetration of particles, acids, alkalis, gases & microorganisms (ASTM D-3985 50.0 cc/m <sup>2</sup> /24hours). Length 46 cm X width 36,5 cm.
2.	Neck bands	2 Natural Elastic Latex bands
3.	Contour sealing (leakage) & comfortable fitting	Hood type mask sealed around the neck by means of 2 rubber bands.
4.	Filter location, flow rate & resistance, sealing.	Four-layered filter 85X70mm, 5,000 mm <sup>2</sup> net. - incorporated in the mask opposite the mouth & nose. Attached to the hood by heat sealing, min. flow rate 25 litre per min. Exhalation Valve centred in the filter opposite the mouth.
4.a.	Two outer layers (first and last)	Viscose strengthened by polyester fibre 150-gr. sq. m. Containing 0.3% CPC antiseptic.
4.b.	Particles filter	Preventing passage of 0.3µ particles or more, air permeability of 55CFM/SF at 0.5" water gage.
5.	Exhalation Valve, Flow rate & resist., dynamic leak...	Membrane type not exceeding 3.0MBR. Minimum air flow of 25 L/ min
6.	Mechanical & Chemical Properties: (stress, heat, humidity, acids, and alkalis), &	Plastic part of the hood is resistant to acids & alkalis & gases for over 6 hours.



	other properties	
7.	( )CWA permeability	For hood please refer to 6. above. For filter refer to 4.a., 4.b. above.

8.	Visor	Transparent plastic (89% clarity tested ASTM D-1 746) all around. Angle & area of vision: 360°
9.	Mechanical & Chemical Properties, (fog formation, resistance to shocks, heat, chemicals...)	Hood tested ASTM D-882. Tensile strength MD=40 N/mm <sup>2</sup> , TD=35 N/mm <sup>2</sup> . Hood resistant to acids & alkalis & gases & micro organisms for over 6 hours. For filter refer to 4.a., 4.b., 4.c. above. Impact F50 according to ASTM D-1709 400gr. Boilable to 100° C. Because of charcoal content NOT FIRE PROOF.

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)Note: Table 2. (Gas filtering capacity) of the European Standard, EN 405, states: "The minimum breakthrough time is intended only for laboratory tests under standardized conditions. It does not give an indication of the possible service time in practical use. Possible service times can differ from the breakthrough times determined according to this standard in both directions positive or negative depending on the conditions of use."