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DEPARTMENT OF MICROBIOLOGY

JH/MICRO/M 1884

Report on testing of "Countertop Seven staged water purifier",
Model 100 CTWB submitted by Micro Filter System,
Mumbai - 400 058 on 12.1.99.

12.1.99.

Testing at 0 hours

| Test organisms | Count of the Organisms* per ml. of water | |
|------------------------|--|--------------------------------|
| | Before passing through the unit | After passing through the unit |
| 1. Salmonella typhi | 1,00,000 | Nil |
| 2. Shigella dysenteiae | 1,00,000 | Nil |
| 3. Vibrio cholerae | 1,00,000 | Nil |
| 4. Escherichia coli | 1,00,000 | Nil |

*The organisms were separately inoculated in distilled water and water containing the test organisms was passed through the unit. Count of the organisms in water was made both, before and after the passing of water through the unit.

Remarks: As far as the inactivation of organisms is concerned, all the test organisms get inactivated on passing through the unit.

Sd/-

DR. K.R. DHUNJIBHOY, M.D (MIRCOWIOLOGIST)

MICRO FILTER SYSTEMS:

More than 1,00,000 organisms of Salmonella typhi, Shigella dysenteiae, Vibrio cholerae, Escherichia coli when passed through MFR domestic water purifier showed no growth of any micro-organisms even after 48 hours of incubation.

MICRO FILTER SYSTEM is a R&D division of **M/s Blinex Filter coat Pvt. Ltd.**



| SR. NO. | FEATURES | BLINEX 7-STAGE SINGLE / DUPLEX | AQUA GUARD (UV) | KENSTAR (UV) | ALPHA (UV) | MONIBA (UV) | BAJAJ (UV) | ULTRA GUARD |
|---------|---|--------------------------------|-----------------|--------------|------------|-------------|------------|-------------|
| 1 | Purification process | 7stages | 4stages | 3stages | 3stages | 4stages | 3stages | 3stages |
| 2 | Complete elimination of bacteria, virus & other micro-organisms | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3 | Certified by reputed testing laboratories | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 | NASA(USA) recognised Resin* technology | ✓ | x | x | x | x | x | x |
| 5 | Silver Iodised carbon block technology | ✓ | x | x | x | x | x | x |
| 6 | Hard Water Softner (Duplex) | ✓ | x | x | x | x | x | x |
| 7 | Fluoride Remover (Duplex) | ✓ | x | x | x | x | x | x |
| 8 | Chloride, Iodine & Odour Remover (Duplex) | ✓ | x | x | x | x | x | x |
| 9 | Plumbing work not required | ✓ | x | x | x | x | x | x |
| 10 | Electricity not required | ✓ | x | x | x | x | x | x |
| 11 | Maintenance contract not required | ✓ | x | x | x | x | x | x |
| 12 | Air release valve (completely removes water to prevent bacteria breeding) | ✓ | x | x | x | x | x | x |
| 13 | Portable** & unbreakable | ✓ | x | x | x | x | x | x |
| 14 | Table top with wall hanging | ✓ | x | x | x | x | x | x |
| 15 | Filtration at low pressure | ✓ | x | x | x | x | x | x |

* Resin technology is more effective than UV technology. (Source: Ion Exchange of India.)

**Total weight of the system is 750 gms. Model CTWB & 1400gms. for 200 Duplex

Note: Data collected from various catalogues.