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s y s t e m s

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# Certificate of Quality

## Asbestos TEM Sampling Cassettes - 25 mm

TEM Lot # 20110511 - 0.45 + 5.0 Filters

NIOSH Method 7402
(Transmission Electron Microscopy = TEM)

- Cleared MCE filter with Acetone & Triacetin - Method 7400 (Quickfix)
  - o Filter cleared with smooth (non-grainy) background allowing for accurate analysis.
  - o Time to Clear: Approximately 5 seconds

- Filter analyzed for Background Fibers
  - o Fiber count from independent Laboratory: 0.0 Fibers/100 Fields
    - ◊ Filter meets ID-160 of up to 4 fibers per 100 fields
    - ◊ Filter meets NIOSH Method 7402 of up to 5 fibers per 100 fields

- 50 mm extension cowl conductivity checked:
  - o Conductivity equal to range: 10.2-10.6 Conductive per resin supplier

- Effective filter collection area checked for conformity of +/- 385 $mm^2$ :
  - o Average diameter of 100 cassettes: +/- 22.16 mm or approximately 385$mm^2$

- Leak Free Cassettes

| | Open LPM | Inlet/Cowl/Outlet (AVG) LPM |
|---|---|---|
| o Rotary Vane | 31.01 | 12.31 |
| o Diaphragm | 27.21 | 11.11 |
| o Megalite | 30.17 | 7.489 |

- Product manufactured in the USA utilizing good manufacturing standards

Approved: Jr R. Tucker Date: MAY 5, 2011

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