



environmental monitoring
s y s t e m s

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Certificate of Quality

Asbestos TEM Sampling Cassettes

TEM Lot #20220301 - 0.45 + 5.0 Filters

NIOSH Method 7402

(Transmission Electron Microscopy = TEM)

- Cleared 0.8 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 mm² :
 - o Average diameter of 100 cassettes: +/- 22.16 mm or approximately 385mm²

| ■ Leak Free Cassettes | Open LPM | Inlet/Cowl/Outlet (AVG) LPM |
|-----------------------|-------------|--------------------------------|
| o Megalite | <u>31</u> | <u>7.3</u> |
| o ems E-PRO HD | <u>23</u> | <u>11.08</u> |
| o ems E-Maxx | <u>29.2</u> | <u>6.3</u> |

- Product manufactured in the USA utilizing good manufacturing standards

Approved: James R. Tucker Date: 03/05/2022

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