

Certificate of Quality

Asbestos PCM & TEM Sampling Cassettes

TEM Lot # 20090722

OSHA Method ID-160 & NIOSH Method 7400
(Phase Contrast Microscopy = PCM)
or NIOSH Method 7402
(Transmission Electron Microscopy = TEM)

- Clear with Acetone & Triacetin - Method 7400 (Quickfix)
 - o Filter materials Clear with smooth (non-grainy) background for accurate analysis.
 - o Time to Clear (seconds) <5 Seconds
- Background Fibers PCM NA and/or TEM None Detected
 - o Up to 4 fibers per 100 fields (ID-160) or
 - o Up to 5 fibers per 100 fields (NIOSH 7400 & NIOSH 7402)
- Conductive polymers (cowl) Per Resin Manufacturer
- Specify a consistent effective collection area of 385 +/- 5 mm²
 - o (21.998 mm < diameter > 22.283 mm collection area)
 - o Diameter AVG(100) = 22.120 = 384.42 mm²
- Leak Free Cassettes

	Open LPM	Inlet/Cowl/Outlet (AVG) LPM
o Rotary Vane	<u>34.20</u>	<u>14.53</u>
o Diaphragm	<u>26.73</u>	<u>12.43</u>
o Megalite	<u>35.75</u>	<u>9.02</u>

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Approved: _____

James R. Tucker

Date: 07/22/2009

James R. Tucker, Ph.D.
EMS COO & VP Technology



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