

Certificate of Quality

Asbestos PCM & TEM Sampling Cassettes

PCM Lot # 20091020

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 0.0 Fibers/100 Field and/or TEM NA
 - 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 Supplier
- Specify a consistent effective collection area of 385 +/- 5 mm²
 - o (21.998 mm < diameter > 22.283 mm collection area)
 - o Diameter AVG(100) = 22.22 = 387.87 mm²
- Leak Free Cassettes

	Open LPM	Inlet/Cowl/Outlet (AVG) LPM
o Rotary Vane	<u>42.41</u>	<u>17.74</u>
o Diaphragm	<u>26.94</u>	<u>15.04</u>
o Megalite	<u>37.44</u>	<u>12.37</u>

PCM LOT # 20091020 - 0.8 um Filter Membrane

Approved: _____

James R. Tucker

Date: 10/20/2009

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



environmental monitoring
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