



environmental monitoring
s y s t e m s

Environmental Monitoring Systems
3864 Leeds Avenue
Charleston, SC 29405
1.800.293.3003
FAX 866.724.5702
www.emssales.net
info@emssales.net

Certificate of Quality

Asbestos PCM Sampling Cassettes-25mm

PCM Lot # 20110801 - 0.8um

OSHA Method ID-160 & NIOSH Method 7400
(Phase Contrast Microscopy = PCM)

- 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 7400 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: +/- 22.22 mm or approximately 385mm²

■ Leak Free Cassettes	Open LPM	Inlet/Cowl/Outlet (AVG) LPM
o Rotary Vane	<u>31.07</u>	<u>16.03</u>
o Diaphragm	<u>27.12</u>	<u>14.22</u>
o Megalite	<u>30.11</u>	<u>10.38</u>

- Product manufactured in the USA utilizing good manufacturing standards

Approved: James R. Tucker Date: Aug. 1, 2011

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