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Certificate of Quality

Asbestos TEM Sampling Cassettes

TEM Lot #20230501 - 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	31	7.72
o ems E-PRO HD	23	11.34
o ems E-Maxx	29.2	6.38

- Product manufactured in the USA utilizing good manufacturing standards

Approved: Jr R. Tucker Date: 05/01/2023

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