

TEM - MicroVac Sample Work Sheet

IATL

Client Name: IT-Corp.

Date: 12/27/28/2001

LATL Sample #: 1403423

Client Project #: 834 345

Client Sample #: A58-1218-6 -W22

Sample Type: MicroVac / Dust [ASTM D5755-95]

IATL Grid Box #: 3089

Grid Archive ID#: 56

Instrument ID:	I	H-600AB, 542-47-3 Kevex Delta II,
	II	H-600AB, 542-47-7 Kevex 7500

Magnification: 20,000X
Filter Dia. (mm): 25, 37, 47
Filter Type: MCE, PC

Accelerating Voltage: 100KeV
Filter Pore Size (µm); 0.1 0.80 0.45
0.40

Grid Opening: 0.115 (mm) X 0.115 (mm)
Grid Opening Area: 0.013 (mm²)
Grid Openings Examined: 4
Total Area Analyzed: 0.052 (mm²)

Area Sampled: 929, 0 (cm²) or ~~1524~~
Volume of Aliquot: 10.2 (mL)
Analytical Sensitivity: 19.2 (mm²)
Min. Det. Limit: 4620 (µF/cm²) or ~~4620~~

Total Asbestos Structures: 5
 >0.5µm, <0.1µm: 3
 >5.0µm: 2
 Asbestos: 96.2
 Asbestos: 23.125

Total Non-Asbestos Structures: 4190 NI

Non-Asbestos: 419.2 (mm²)

Non-Asbestos: 24625 (mm²/cm²) or 24625

12450.0

Analysis Data:

249d -o

[illegible]

- * Must confirm by Morphology, SAED, and EDXA for each suspect asbestos fiber. Record visible prominent Chrysotile DP reflections (002, 004, 110, 130, 220, 200)
- ** Define Amphibole (DP obtained Y/N). Print-out EDS and attach.
- *** Characterize by EDS

Prep Quality: (✓+, ✓, ✓-)

Dissolution	✓
Carbon Film	✓
Loading	20

Comments: _____

Analyzed By: AMN/CL/BR/JS
Reviewed By:

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