NYC 9/11 Public Portal Document

# TEM Asbestos (air) Count Sheet

| | | | |
|---|---|---|---|
| **Client Name:** | Warren & Panzer | **Volume (liters):** | 1680 |
| **Lab Group #:** | 8217 | **Filter Type / Filter Area:** | MCE 385 mm² |
| **Lab Sample #:** | 1 | **Grid Opening Size:** | 0.01124 |
| **Client Sample #:** | 33 | **Area Examined:** | 0.0562 mm² |
| **GRID BOX:** | 1256 | **Magnification:** | 20,000 |
| **GRID ID:** | 1044 J | **Accelerating Voltage:** | 100 KeV |
| **# Grid Openings:** | 5 | **Analysis Date:** | 6/22/02 |

**Analysis Performed By:** MARK PEYSAKHOV

| GO. No | GO. Coord | Structure No | Structure Type F | B | C | M | Length >=05 µ <5µ | >=5µ | ID of Structure N or √ Chrys | Amphibole | Nonasb | Ambig/ND | EDS (Nonadb Elements) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | E1 | NSO | | | | | | | | | | | |
| 1044 2 | P1 | —C | | | | | | | | | | | |
| — 3 | E11 | —C | | | | | | | | | | | |
| 1044 4 | S1 | —C | | | | | | | | | | | |
| 5 | C1 | —C | | | | | | | | | | | |

Struct = > 0.5µ > 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:

<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

## Totals

| | F | B | C | M | >5µ |
|---|---|---|---|---|---|
| Chrysotile | | | | | |
| Amphibole | | | | | |
| Ambiguous | | | | | |
| Non-Asbestos | | | | | |
| Non-Identified | | | | | |



NYC-WTC_000205838

NYC 9/11 Public Portal Document

# TEM Asbestos (air) Count Sheet

| | | | |
|---|---|---|---|
| **Client Name:** | Warren & Panzer | **Volume (liters):** | 1680 |
| **Lab Group #:** | 8217 | **Filter Type / Filter Area:** | MCE 385 mm² |
| **Lab Sample #:** | 2 | **Grid Opening Size:** | 0.01124 |
| **Client Sample #:** | 34 | **Area Examined:** | 0.0562 mm² |
| **GRID BOX:** | 1256 | **Magnification:** | 20,000 |
| **GRID ID:** | 1614 | **Accelerating Voltage:** | 100 KeV |
| **# Grid Openings:** | 5 | **Analysis Date:** | 6/22/02 |

**Analysis Performed By:** MARK PEYSAKHOV

| GO. | Structure | Structure Type | | | | Length | | ID of Structure N or √ | | | | EDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No Coord | No | F | B | C | M | >=05 µ <5µ | >=5µ | Chrys | Amphibole | Nonasb | Ambig/ND | (Nonadb Elements) |
| 1 C6 | NSO | | | | | | | | | | | |
| 2 D6 | — | | | | | | | | | | | |
| 3 C8 | — | | | | | | | | | | | |
| 4 D1 | — | | | | | | | | | | | |
| 5 C1 | — | | | | | | | | | | | |

Struct = > 0.5µ > 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
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M = Matrix
NSD = No Structures Detected

Grid acceptance:

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AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

## Totals

| | F | B | C | M | >5µ |
|---|---|---|---|---|---|
| Chrysotile | | | | | |
| Amphibole | | | | | |
| Ambiguous | | | | | |
| Non-Asbestos | | | | | |
| Non-Identified | | | | | |



NYC-WTC_000205839

NYC 9/11 Public Portal Document

# TEM Asbestos (air) Count Sheet

| | | | |
|---|---|---|---|
| **Client Name:** | Warren & Panzer | **Volume (liters):** | 1680 |
| **Lab Group #:** | 8217 | **Filter Type / Filter Area:** | MCE 385 mm² |
| **Lab Sample #:** | 3 | **Grid Opening Size:** | 0.01124 |
| **Client Sample #:** | 35 | **Area Examined:** | 0.0562 mm² |
| **GRID BOX:** | 12516 | **Magnification:** | 20,000 |
| **GRID ID:** | 1AR | **Accelerating Voltage:** | 100 KeV |
| **# Grid Openings:** | 5 | **Analysis Date:** | 6/22/02 |

**Analysis Performed By:** MARK PEYSAKHOV

| GO. | Structure | Structure Type | | | | Length | | ID of Structure N or √ | | | | EDS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No Coord | No | F | B | C | M | >=05 µ <5µ | >=5µ | Chrys | Amphibole | Nonasb | Ambig/ND | (Nonadb Elements) |
| 1 E1 | NSO | | | | | | | | | | | |
| 1P 2 R1 | — | | | | | | | | | | | |
| 3 R1 | — | | | | | | | | | | | |
| 4 E2 | — | | | | | | | | | | | |
| 1R 5 N2 | — | | | | | | | | | | | |

Struct = > 0.5µ > 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:

<50% undissolved filter, overlapped or folded <10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

## Totals

| | F | B | C | M | >5µ |
|---|---|---|---|---|---|
| Chrysotile | | | | | |
| Amphibole | | | | | |
| Ambiguous | | | | | |
| Non-Asbestos | | | | | |
| Non-Identified | | | | | |



NYC-WTC_000205840

NYC 9/11 Public Portal Document

# TEM Asbestos (air) Count Sheet

| | | | |
|---|---|---|---|
| **Client Name:** | Warren & Panzer | **Volume (liters):** | 1680 |
| **Lab Group #:** | 8217 | **Filter Type / Filter Area:** | MCE 385 mm² |
| **Lab Sample #:** | 4 | **Grid Opening Size:** | 0.01124 |
| **Client Sample #:** | 36 | **Area Examined:** | 0.0562 mm² |
| **GRID BOX:** | 1256 | **Magnification:** | 20,000 |
| **GRID ID:** | 1824 | **Accelerating Voltage:** | 100 KeV |
| **# Grid Openings:** | 5 | **Analysis Date:** | 6/22/02 |

**Analysis Performed By:** MARK PEYSAKHOV

| GO. No | GO. Coord | Structure No | Structure Type F | B | C | M | Length >=05 µ <5µ | Length >=5µ | ID of Structure N or √ Chrys | Amphibole | Nonasb | Ambig/ND | EDS (Nonadb Elements) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A7 | NSD | | | | | | | | | | | |
| 2 | D7 | — | | | | | | | | | | | |
| 3 | E6 | — | | | | | | | | | | | |
| 4 | R1 | — | | | | | | | | | | | |
| 5 | R1 | — | | | | | | | | | | | |

Struct = > 0.5µ > 5:1 Aspect Ratio

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√= EDS spectrum conforming to laboratory identification criteria observed

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M = Matrix

NSD = No Structures Detected

Grid acceptance:

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AMPHIBOLES

Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

## Totals

| | F | B | C | M | >5µ |
|---|---|---|---|---|---|
| Chrysotile | | | | | |
| Amphibole | | | | | |
| Ambiguous | | | | | |
| Non-Asbestos | | | | | |
| Non-Identified | | | | | |



NYC-WTC_000205841

# TEM Asbestos (air) Count Sheet

| | | | |
|---|---|---|---|
| **Client Name:** | Warren & Panzer | **Volume (liters):** | 1680 |
| **Lab Group #:** | 8217 | **Filter Type / Filter Area:** | MCE 385 mm² |
| **Lab Sample #:** | 5 | **Grid Opening Size:** | 0.01124 |
| **Client Sample #:** | 37 | **Area Examined:** | 0.0562 mm² |
| **GRID BOX:** | 1236 | **Magnification:** | 20,000 |
| **GRID ID:** | 2040 | **Accelerating Voltage:** | 100 KeV |
| **# Grid Openings:** | 5 | **Analysis Date:** | 6/22/02 |

**Analysis Performed By:** MARK PEYSAKHOV

| GO. No | Coord | Structure No | Structure Type F | B | C | M | Length >=05 µ <5µ | >=5µ | ID of Structure N or √ Chrys | Amphibole | Nonasb | Ambig/ND | EDS (Nonadb Elements) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 1 E1 | #30 | | | | | | | | | | | |
| | 2 H1 | — | | | | | | | | | | | |
| — | 3 H1 | — | | | | | | | | | | | |
| | 4 H2 | — | | | | | | | | | | | |
| 20 | 5 D2 | — | | | | | | | | | | | |

Struct = > 0.5µ > 5:1 Aspect Ratio

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√= EDS spectrum conforming to laboratory identification criteria observed

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C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:

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AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

**Totals**

| | F | B | C | M | >5µ |
|---|---|---|---|---|---|
| Chrysotile | | | | | |
| Amphibole | | | | | |
| Ambiguous | | | | | |
| Non-Asbestos | | | | | |
| Non-Identified | | | | | |