



ASBESTOS TEM LABORATORIES, INC.

**NIOSH 7400 Method
Phase Contrast Microscopy
Analytical Report
w/ Time Weighted Average (TWA)**

Laboratory Job # 631-247

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ASBESTOS TEM LABORATORIES, INC

Accredited by
U.S. Dept. of Commerce
NVLAQ
CA DOHS ELAP

Feb/20/2003

Mr. Jack Anderson
ABC Consultants
5499 West "A" Street
Burlingame, CA 94111

RE: LABORATORY JOB # 631-247
Phase contrast microscopy analytical results for 7 air sample(s).
Job Site: 1564 8th Street, San Francisco, CA
Job No.: 1111-543

Enclosed please find the analytical results for one or more air samples submitted for phase contrast microscopy (PCM) analysis. All analysts participate in the American Industrial Hygiene Association (AIHA) Asbestos Analyst Registry Registry proficiency testing program.

Prior to analysis, air sample cassettes are logged-in and all data pertinent to the sample is recorded into a computer based laboratory information management system. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper sample tracking.

After sample login is complete, the air samples are analyzed as follows: Air filters are individually removed from the cassette holders, a quarter section is separated and placed onto a glass microscope slide. The filter section is collapsed using a "QuikFix" acetone vaporizer. A drop of Triacetin is added and a coverslip is emplaced over the filter. The slide is then placed under an Olympus CH-2 or Meiji ML-POL Phase Contrast Microscope. Fibers are counted until either 100 fibers are counted in a minimum of 20 fields or 100 fields total are observed. Analytical results are calculated according to NIOSH 7400 protocols. Data is then compiled into a standard report format and subjected to a quality assurance review before the information is released to the client.

Sincerely Yours,

Laboratory Manager
ASBESTOS TEM LABORATORIES, INC.

PHASE CONTRAST MICROSCOPY

ANALYTICAL REPORT

Contact: Mr. Jack Anderson	Samples Submitted: 7	Report No.: 34323
Address: ABC Consultants 5499 West "A" Street Burlingame, CA 94111	Samples Analyzed: 7	Date Submitted: Oct-22-02
	Job Site / No. 1564 8th Street, San Francisco, CA 1111-543	Date Reported: Oct-23-02

SAMPLE ID	FIBERS per CC	95% UCL	8 - HR TWA	FIBERS per Fields	FIBERS per Filter	LOCATION / DESCRIPTION
087-77 Lab ID # 631-247-001	NA	NA	NA	<u>1.0</u> 100	NA	Field Blank <u>Volume(L)</u> <u>Pump Time(Min)</u> <u>Flow Rate(LPM)</u>
087-78 Lab ID # 631-247-002	NA	NA	NA	<u>2.0</u> 100	NA	Field Blank <u>Volume(L)</u> <u>Pump Time(Min)</u> <u>Flow Rate(LPM)</u>
087-79 Lab ID # 631-247-003	< 0.0022	< 0.0060	< 0.0014	<u>5.5</u> 100	< 2697	IWA: Inside work area removing galbestos siding <u>Volume(L)</u> <u>Pump Time(Min)</u> <u>Flow Rate(LPM)</u> 1200 300 4.0
087-80 Lab ID # 631-247-004	< 0.0018	< 0.0048	< 0.0011	<u>5.5</u> 100	< 2697	OWA: Upwind <u>Volume(L)</u> <u>Pump Time(Min)</u> <u>Flow Rate(LPM)</u> 1500 300 5.0
087-81 Lab ID # 631-247-005	< 0.0018	< 0.0040	< 0.0011	<u>5.5</u> 100	< 2697	OWA: Downwind <u>Volume(L)</u> <u>Pump Time(Min)</u> <u>Flow Rate(LPM)</u> 1500 300 5.0
087-82 Lab ID # 631-247-006	< 0.0450	< 0.0901	< 0.0028	<u>5.5</u> 100	< 2697	Exc: Jeremy Kauwe 575-27-6462 <u>Volume(L)</u> <u>Pump Time(Min)</u> <u>Flow Rate(LPM)</u> 60 30 2.0
087-83 Lab ID # 631-247-007	< 0.0465	< 0.0465	< 0.0028	<u>5.5</u> 100	< 2697	Per: Jeremy Kauwe 575-27-6462 <u>Volume(L)</u> <u>Pump Time(Min)</u> <u>Flow Rate(LPM)</u> 58 29 2.0
Lab ID #						<u>Volume(L)</u> <u>Pump Time(Min)</u> <u>Flow Rate(LPM)</u>
Lab ID #						<u>Volume(L)</u> <u>Pump Time(Min)</u> <u>Flow Rate(LPM)</u>
Lab ID #						<u>Volume(L)</u> <u>Pump Time(Min)</u> <u>Flow Rate(LPM)</u>

Detection Limit = 7 Fibers/MM2

Lab Manager _____

Analyst _____