

***Asbestos Roof
Inspection/Survey***

***Yolo High School –
Wings A, B and F/G Roof***

***919 Westacre Road
West Sacramento, CA 95691***

Presented to:

Terry Souza

***Washington Unified School District
930 Westacre Road
West Sacramento, CA 95691***

Inspection Date:

February 04, 2021

Conducted By:

***Roland Plumb
Certified Asbestos Consultant***

National Analytical Laboratories, Inc.

2201 Francisco Dr. Ste.140-261

El Dorado Hills, CA 95762

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February 08, 2021

Terry Souza
Washington Unified School District
930 Westacre Road
West Sacramento, CA 95691

RE: **Asbestos Roof Inspection/Survey –
Yolo High School - Wings A, B, and F/G
919 Westacre Road
West Sacramento, CA 95691**

Dear Mr. Souza,

The following report is regarding the roof inspection conducted at the above address. **Of the twelve (12) suspected asbestos containing samples collected, two (2) were found to contain asbestos.** Roland Plumb, Certified Asbestos Consultant for National Analytical Laboratories, Inc. (N.A.L), conducted the inspection on February 04, 2021.

SUMMARY OF FINDINGS -

The Gray Penetration Mastic and Gray Roof Patch Mastic were found to contain Asbestos. All square footage should be verified by contractor.

ASBESTOS INSPECTION –

The inspection was completed according to the EPA's Asbestos Containing Building Materials (ACBM) In-Schools Rule; 40 CFR 763.85 (Inspection and Re-Inspection). Currently, EPA regulations classify ACBM as materials containing more than 1-percent (1%) of asbestos. Cal-OSHA currently regulates asbestos to 1/10th of 1% (0.1%) and requires a certified asbestos worker to conduct this work.

Upon completing the visual inspection, the suspect asbestos bulk sample materials were collected per EPA and Cal-OSHA protocol. They were placed into new, airtight, plastic bags, sealed, and identified with unique identification numbers. The bulk samples were transported to the laboratory under the chain of custody protocol for analysis. MicroTest Laboratories, Inc., located in Rancho Cordova, California, analyzed the bulk suspect asbestos-containing samples utilizing the Polarized Light Microscopy (PLM) Method. National Voluntary Laboratory Accreditation Program (NVLAP) Certification #200999-0 certifies MicroTest Laboratories, Inc.

Breathe easy.....

Destructive sampling was conducted during the site visit. If demolition work reveals any unforeseen suspect materials or if any future renovation work is to be conducted in other areas at the site; the contractor shall cease all work and contact the building owner for further testing.

Not all the materials throughout the site were sampled, the like materials that were not tested will be treated as homogeneous to the materials that were tested and will be considered as containing Asbestos or Non-Asbestos in accordance with the results.

The location and results of suspect samples **found to contain Asbestos** are as follows:

Sample ID#	Material	Location	Category	Results
919-04	Gray Penetration Mastic	Building A, Lower Roof (-200 SF)	II	5% Chrysotile
919-09	Gray Roof Patch Mastic	Building B, Lower Roof, West Side (-80 SF)	II	5% Chrysotile

sf = Square Feet; PC = Point Count; RACM = Regulated Asbestos Containing Material (Friable); Category I & II are Non-friable/Non-hazardous Materials. Approximate sample locations are depicted in a sample map attached.

The Gray Penetration Mastic and Gray Roof Patch Mastic are considered Category II, non-friable/non-hazardous materials that can be removed and disposed of at a non-hazardous waste facility.

The following samples were **non-asbestos containing** materials:

Sample ID#	Material	Location	Results
919-01	Composition Rolled Roofing	Building A, Lower Roof, Center	None Detected
919-02	Composition Rolled Roofing	Building A, Main Roof, Northeast Section	None Detected
919-03	Composition Rolled Roofing	Building A, Main Roof, Southwest Section	None Detected
919-05	Composition Rolled Roofing	Walkway Roof Between Building A & B (-300 SF)	None Detected
919-06	Composition Rolled Roofing	Building B, Lower Roof, West Side	None Detected
919-07	Composition Rolled Roofing	Building B, Main Roof, Northwest Section	None Detected
919-08	Composition Rolled Roofing	Building B, Main Roof, Southeast Section	None Detected
919-10	Composition Rolled Roofing	Building F/G, Main Roof, East Side, Center	None Detected
919-11	Composition Rolled Roofing	Building F/G, Main Roof, Southwest Section	None Detected
919-12	Gray Roof Patch Mastic	Building F/G, Main Roof (-150 SF)	None Detected

ASBESTOS RECOMMENDATION –

Federal and state regulations require that anyone disturbing asbestos containing materials are properly trained certified and have the required respiratory protection and medical surveillance.

N.A.L recommends that a certified asbestos abatement contractor be retained to remove the non-friable materials prior to any scheduled renovation/demolition work being completed at the site. Prior to the work process starting a work plan or specifications regarding the abatement process should be completed and distributed to the abatement contractors during the job walk at the site.



On-Site Observation should be conducted by N.A.L.'s Certified Asbestos Consultant or Certified Site Surveillance Technician to verify that the work plan/specification is being followed. Once a certified asbestos contractor has removed the Asbestos, following EPA and Cal-OSHA requirements; a visual inspection and air clearance sampling should be completed. Clearances will confirm that the general contractor can reoccupy the work area(s), without concern for exposure to asbestos airborne fibers to their employees thus allowing the renovation or demolition work to be completed by the general contractor.

This report includes the laboratory analytical results, the chain of custody form(s), and the site map. If you have any questions regarding this report or can be of further assistance, please contact our office.

Conducted, reviewed, and submitted by:



Roland Plumb
Certified Asbestos Consultant
DOSH# 18-6416





MicroTest Laboratories Inc. NVLAP Code: 200999-0
3110 Gold Canal Dr. Ste. A. Rancho Cordova, CA 95670
PH 916.567.9808 | FX 916.404.0302
www.microtestlabsinc.com | service@microtestlabsinc.com

Project ID

MT01218512

CLIENT INFORMATION

Company National Analytical Laboratories, Inc.
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Terrena@nal1.com |
Chad@nal1.com | Mike@nal1.com
| Ron@nal1.com

SAMPLE

Date Thursday, February 04, 2021
Time 3:00 PM

JOB SITE INFORMATION

Sampler Ron Plumb
Project Yolo High School- Wings A, B, E and F/G Roof | 43530
Address 919 Westacre Road
West Sacramento, CA 95691

MicroTest

Laboratories

Analytical Data

POLARIZED LIGHT MICROSCOPY (PLM)

EPA METHOD 600 / R-93 / 116 & EPA – 40 CFR Appendix E to Subpart E of Part 763

Sample ID	Accession Number	Client Description	Laboratory Description	Non Fibrous / Fibrous Materials	Asbestiform Minerals %
919-01	8512-1	Building A, Lower Roof, Center	Black Roofing Fibrous Homogenous	5% Fiberglass 95% Binder	None Detected
919-02	8512-2	Building A, Main Roof, Northeast Section	Black Roofing Fibrous Heterogenous	10% Fiberglass 90% Binder	None Detected
919-03	8512-3	Building A, Main Roof, Southwest Section	Black Roofing Fibrous Heterogenous	5% Cellulose 10% Fiberglass 85% Binder	None Detected
919-04	8512-4	Building A, Lower Roof (-200 SF)	Black Mastic Fibrous Homogenous	95% Binder	5% Chrysotile
919-05	8512-5	Walkway Roof Between Building A & B (-300 SF)	Black Roofing Fibrous Homogenous	5% Fiberglass 95% Binder	None Detected

Report

Date Friday, February 05, 2021

Samples Received: 12

Samples Analyzed: 12

Analyst: Nolan Starbuck

Authorized Signatory:

Kelly Favero - Lab Manager

This analytical data sheet constitutes a final report. Due to the limitation of Polarized Light Microscopy (PLM), some samples classified as containing no asbestos in materials, NoneDetected (ND), such as floor tiles or like materials, warrant a recommendation for further analysis by Transmission Electron Microscopy (TEM). Results apply to the sample as received. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. All Samples will be held for not less than 30 days, upon which they will then be disposed of. This report shall not be reproduced in full without written authorization from MicroTest Laboratories, Inc. Soil and rock matrices are considered problematic matrices and MicroTest recommends sample homogenization prior to PLM analysis. Thermal decomposition of asbestos fibers can yield non-asbestiform mineral properties. The reporting limit for calibrated visual area estimation quantitation procedures is 1%. The reporting limit for 400/1000 point count quantitation procedures is 0.25% or 0.1% respectively. The sample is considered acceptable unless otherwise noted. Sub-samples are analyzed separately accept when manufactured with multiple layers (i.e. Linoluem, Drywall, etc.) or requested contrarily by the client



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919-06	8512-6	Building B, Lower Roof, West Side	Black Roofing Fibrous Heterogenous	5% Cellulose 10% Fiberglass 85% Binder	None Detected
919-07	8512-7	Building B, Main Roof, Northwest Section	Black Roofing Fibrous Heterogenous	10% Cellulose 10% Fiberglass 80% Binder	None Detected
919-08	8512-8	Building B, Main Roof, Southeast Section	Black Roofing Fibrous Heterogenous	10% Cellulose 10% Fiberglass 80% Binder	None Detected
919-09	8512-9	Building B, Lower Roof, West Side (-80 SF)	Black Mastic Fibrous Homogenous	95% Binder	5% Chrysotile
919-10	8512-10	Building F/G, Main Roof, East Side, Center	Black Roofing Fibrous Heterogenous	10% Fiberglass 90% Binder	None Detected
919-11	8512-11	Building F/G, Main Roof, Southwest Section	Black Roofing Fibrous Heterogenous	10% Fiberglass 90% Binder	None Detected
919-12	8512-12	Building F/G, Main Roof (-150 SF)	Black Mastic Non-Fibrous Homogenous	10% Cellulose 90% Binder	None Detected

Report

Date Friday, February 05, 2021

Samples Received: 12

Samples Analyzed: 12

Analyst: Nolan Starbuck

Authorized Signatory:

Kelly Favero - Lab Manager

This analytical data sheet constitutes a final report. Due to the limitation of Polarized Light Microscopy (PLM), some samples classified as containing no asbestos in materials, NoneDetected (ND), such as floor tiles or like materials, warrant a recommendation for further analysis by Transmission Electron Microscopy (TEM). Results apply to the sample as received. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. All Samples will be held for not less than 30 days, upon which they will then be disposed of. This report shall not be reproduced in full without written authorization from MicroTest Laboratories, Inc. Soil and rock matrices are considered problematic matrices and MicroTest recommends sample homogenization prior to PLM analysis. Thermal decomposition of asbestos fibers can yield non-asbestiform mineral properties. The reporting limit for calibrated visual area estimation quantitation procedures is 1%. The reporting limit for 400/1000 point count quantitation procedures is 0.25% or 0.1% respectively. The sample is considered acceptable unless otherwise noted. Sub-samples are analyzed separately accept when manufactured with multiple layers (i.e. Linoluem, Drywall, etc.) or requested contrarily by the client



8512

Page 1 of 2

NAL LOG-IN RECORD**Login # 43530**

Ph: 916.361.0555 Fx: 916.361.0540

National Analytical Laboratories, Inc.**Job Site/Job #:****Client#-Lot#**

4478 / 315

Terry Souza**Washington Unified School District****Phone Number****FAX Number****Contact**

Terry Souza

E-Mail AddressYolo High School - Wings A, B, E and F/G
Roof:

919 Westacre Road

West Sacramento, CA 95691

KS 10939

Date 1/22/2021**Sampling Date:** 2/4/2021**Sampling Time** 3:00:00 PM**Type Of Work:** PLM**No. of Samples** 12**Turnaround:** 6 hours

Num.	Sample ID#	Location/Description
1	919-01	Building A, Lower Roof, Center / Composition Rolled Roofing
2	919-02	Building A, Main Roof, Northeast Section / Composition Rolled Roofing
3	919-03	Building A, Main Roof, Southwest Section / Composition Rolled Roofing
4	919-04	Building A, Lower Roof (-200 SF) / Gray Penetration Mastic
5	919-05	Walkway Roof Between Building A & B (-300 SF) / Composition Rolled Roofing
6	919-06	Building B, Lower Roof, West Side / Composition Rolled Roofing
7	919-07	Building B, Main Roof, Northwest Section / Composition Rolled Roofing
8	919-08	Building B, Main Roof, Southeast Section / Composition Rolled Roofing
9	919-09	Building B, Lower Roof, West Side (-80 SF) / Gray Roof Patch Mastic
10	919-10	Building F/G, Main Roof, East Side, Center / Composition Rolled Roofing
11	919-11	Building F/G, Main Roof, Southwest Section / Composition Rolled Roofing
12	919-12	Building F/G, Main Roof (-150 SF) / Gray Roof Patch Mastic

IF RESULTS ARE LESS THAN 1%, PLEASE 400 POINT COUNT*Chain of Custody Information**

Released By Signature	Date/ Time	Received By Signature	Date/ Time	Due:
Ron Plumb	02/04/21	<i>E. Sajn</i>	02-04-21 3:15pm	
Released By Signature	Date/ Time	Received By Signature	Date/ Time	At: