

Asbestos Building Materials Inspection Services

Client: The City of Grand Junction, 250 N. 5th Street, Grand Junction, CO 81501

Project Site: 649 25 Road, Grand Junction, CO 81506

(House & Metal Barn Structures)

Inspection Date: January 4, 2024

Phase Con Project #: 24-01-04D

2166 Peregrine Court Grand Junction, CO 81507 970-260-3341 -- office@phasecon.com

649 25 Road, Grand Junction, CO -- House (SFRD) & Metal Barn Structures

Sampling Description

Phase Con provided asbestos building inspection services at 649 25 Road in Grand Junction, Colorado on January 4, 2024. The inspection was performed by Mr. Douglas Close, a Colorado State and EPA Asbestos Building Inspector/Management Planner. This house (SFRD) and metal barn building are scheduled for demolition in the near future. Suspect materials within the scope of work were sampled and analyzed as per Colorado State Regulation #8.

A random sampling scheme was utilized in choosing sampling locations. This scheme used a grid system and randomly generated numbers. The Inspector, Mr. Douglas Close, classified the suspect materials by type (Thermal System Insulation (TSI), Surfacing Materials, and Miscellaneous Materials), and obtained the appropriate number of samples of each material based upon material type, and quantity.

Tables are provided which detail the individual samples obtained, the laboratory analysis results for these samples, the quantity and condition of Asbestos Containing Building Materials (ACBM), the locations of each homogeneous area, and other material specific information. Potential for damage to materials information is provided in the following sampling information tables.

Discussion & Recommendations

House Structure

The following materials were positive for Colorado State and EPA regulated asbestos content (>1% asbestos):

- Window Glazing present in association with the east and northeast windows on the house. There is an estimated 1 sf of this ACBM present.
- <u>Cement Asbestos Board Siding Shingles</u> present on the entire house exterior perimeter. There is an estimated 1400 sf of this ACBM present.
- <u>Interior Plaster</u> present on the upper level walls and ceilings. There is an estimated 500 sf of this ACBM present.
- Ceiling Tiles present in the kitchen and dining room. There is an

- estimated 350 sf of this ACBM present.
- <u>Non-Surfaced Gypsum Board Systems</u> present as the walls and ceilings in the west porch room. There is an estimated 400 sf of this ACBM present.
- <u>Interior Plaster</u> present on the ground level of the house as most walls and ceilings. There is an estimated 2500 sf of this ACBM present.
- <u>Tar Impregnated Felts</u> present as a black felt layer beneath the cement asbestos board siding on the exterior perimeter of the house. There is an estimated 1400 sf of this ACBM present.
- <u>Surfaced Celotex Panels</u> present as the walls and ceilings of the northwest room. There is an estimated 200 sf of this ACBM present.
- <u>Non-Surfaced Gypsum Board Systems</u> present as the walls and ceilings of the south bathroom and the south porch. There is an estimated 350 sf of this ACBM present.
- Orange Peel Type Surfaced Gypsum Board Systems present as the walls and ceilings of the Living Room, NE Bedroom and the SE Bedroom (ACBM plaster may also be present beneath this material). There is an estimated 800 sf of this ACBM present.
- <u>Green Vinyl Floor Tile & Associated Black Mastic</u> present in the west porch. There is an estimated 110 sf of this ACBM present.
- <u>Black Vinyl Floor Tile & Black Mastic</u> present in the kitchen area. There is an estimated 200 sf of this ACBM present.
- Red Vinyl Floor Tile & Black Mastic present in the kitchen and dining room areas. There is an estimated 160 sf of this ACBM present.
- <u>Brown Vinyl Floor Tile & Black Mastic</u> present in the living room. There is an estimated 250 sf of this ACBM present.

The prior listed ACBMs are regulated by the State of Colorado and the EPA and <u>must</u> be handled, removed and disposed of by a State of Colorado licensed asbestos abatement contractor (General Abatement Certificate holder) in accordance with Colorado State Regulation #8 prior to building demolition.

Metal Barn Building

No asbestos containing building materials are present in this structure. There are no building materials present which are suspect for potential asbestos content; only wood structural members and metal siding/roof panels.

If any previously unknown or undiscovered materials are found during

demolition activities which are suspect for asbestos content then these materials should be tested for potential asbestos content prior to continuing any further demolition work.

Disclaimer

The inspection services process consists of initial inspection/sampling and sampling of subsequently discovered hidden or inaccessible building materials as the inspection/abatement/demolition process occurs within the building. Discovery of hidden or inaccessible building materials by any interested parties can and will occur at any time during the inspection/abatement/demolition process and necessitates stopping discovered materials until the can demolition inspected/sampled. The discovery of hidden materials during the building demolition process is common, should be expected by the client and is a normal part of the inspection process.

Identified asbestos containing materials may be in areas which are inaccessible or hidden due to their application during the construction process and their subsequent enclosure or covering with building and finish materials. Areas behind walls, inside chases, or other hidden, covered or enclosed areas should be inspected whenever renovation or demolition activities are scheduled which may disturb the materials within or beneath these barriers. Care to watch for hidden or undiscovered materials should be taken by the demolition contractor during the demolition process. A discovery of unknown materials will necessitate stopping demolition until the materials can be inspected by a certified asbestos building inspector. 'Overspray' or excess materials from the installation or application process of asbestos containing materials is common, should be expected in the vicinity of installed asbestos containing materials, and is often present either covered by other building materials or in hidden or unexpected locations.

Bulk material samples are obtained in accordance with applicable regulations, industry standard techniques and analyzed by a NVLAP accredited laboratory; however, due to the asbestos content fluctuations which may occur in a building material due to the application and/or initial mixing process no guarantee can be made as to an 'exact' percentage asbestos content (this includes 'no asbestos detected' and 'trace' contents) which represents the entirety of the material (asbestos content fluctuations can and will occur throughout a building material).

Abatement cost estimates and material quantity estimates are

approximate only (due to the hidden nature of many of the materials), and are provided only as a general guideline to the client. More than one licensed Colorado State asbestos abatement contractor should be consulted to determine actual abatement costs of the ACBMs described above. Actual material quantities can only be determined by complete removal of covering materials.

Please call us with any questions which you may have concerning this report and our recommendations. Thank you.

Douglas A. Close

Colorado State and EPA Certified Asbestos Building Inspector/Management Planner #2930

Sample Description Table(s)

SMP L #	HMGN S AREA	MATERIAL DESCRIPTION	MATERIAL LOCATION(S)	MTRL TYPE	QUA NTIT Y	CONDI TION ASSES S	REASON for CONDN ASSESSM ENT	FANF	ASBE STOS (Y/N)
· 	A	Cement board siding	Entire house perimeter	M	1400 sf	O	1	NF	,
2	А	Cement board siding	Entire house perimeter	M	1400 sf	G	1	NF	\
3	В	Asphalt roofing shingles	Entire roof	M	1500 sf	G	ı	NF	Z
4	В	Asphalt roofing shingles	Entire roof	∑	1500 sf	ව	ı	N.	Z
5	U	Window glazing	NE & E windows	M	1 sf	<u>ග</u>	ı	NN	>
9	O	Window glazing	NE & E windows	Σ	1sf	_ნ	1	NF	У
2	Ω	Plaster	Upper floor walls/ceiling	S	500 sf	മ	1	<u>ட</u>	Z
8	Ω	Plaster	Upper floor walls/ceiling	S	500 sf	ß	:	ഥ	Z
6	Q	Plaster	Upper floor walls/ceiling	S	500 sf	5	1	ഥ	λ
10	Ш	12x24 ceiling tiles	Kitchen/dining room	Z	350 sf	ග ්	ı	止	>
F	Ш	12x24 ceiling tiles	Kitchen/dining room	Σ	350 sf	უ	ı	Ц.	>
12	L1_	12x12 ceiling tile	South bathroom & porch	Σ	160 sf	O	,	ட	Z
13	L1	12x12 ceiling tile	South bathroom & porch	Σ	160 sf	5	ı	ட	Z
14	Ŋ	Non surfaced gypsum board systems	West porch walls/ceiling	Σ	400 sf	Q	t	L	Z
ا ت	Ű	Non surfaced gypsum board systems	West porch walls/ceiling	Σ	400 sf	Ø	ţ	L.	>
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CONDI TION ASSES S	Э	ප	G	В	G	G	G		G	g	IJ	Э	5	Э
QUA NTIT Y	2500 sf	2500 sf	2500 sf	2500 sf	2500 sf	1400 sf	1400 sf	200 sf	200 sf	350 sf	350 sf	375 sf	375 sf	375 sf
MTRL TYPE	S	Š	S	S	S	Σ	M	Σ	M	Σ	Σ	S	S	S
MATERIAL LOCATION(S)	Most rooms walls/ceilings	Most rooms walls/ceilings	Most rooms walis/ceilings	Most rooms walls/ceilings	Most rooms walls/ceilings	Beneath siding shingles	Beneath siding shingles	NW room walls & ceiling	NW room walls & ceiling	South bathroom & south porch walls/ceiling	South bathroom & south porch walls/ceiling	Dining room walls/ceiling	Dining room walls/ceiling	Dining room walls/ceiling
MATERIAL DESCRIPTION	Interior plaster	Tar impregnated felts	Tar impregnated felts	Celotex panels	Celotex panels	Non surfaced gypsum board systems	Non surfaced gypsum board systems	Coarse plaster	Coarse plaster	Coarse plaster				
HMGN S AREA	エ	工	T	T	H				<u> </u>	×	、			-1
SMP L #	16	17.	18	19	20	21	22.	23	24	25	26	27	28	. 29

NO E		>	>	>-	>	z	z	Y, both	Y, both	Υ, both	Υ, both	Z	z	z
ASBE STOS (Y/N)	>					_	_	bc	pc	bc	bc		_	
F/NF	Ц	1.1	LL_	L	ட	ഥ	工	L Z	NF	N N	NF	Ľ Z	NF	Ľ
REASON for CONDN ASSESSM ENT	1	ı	1	t	ŧ	1	1	Į.	t	1	I	I	-	1
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QUA NTIT Y	800 sf	800 sf	800 sf	800 sf	800 sf	110 sf	110 sf	110 sf	110 sf	200 sf	200 sf	20 sf	20 sf	80 sf
MTRL TYPE	S	S	တ	Σ	Σ	M	Σ	Σ	M	M	Σ	Σ	M	Σ
MATERIAL LOCATION(S)	LR, NE BR, SE BR	LR, NE BR, SE BR	LR, NE BR, SE BR	LR, NE BR, SE BR	LR, NE BR, SE BR	West porch	West porch	West porch	West porch	Kitchen	Kitchen	Kitchen	Kįtchen	NW room
MATERIAL DESCRIPTION	Orange peel type surfacing texture	Orange peel type surfacing texture	Orange peel type surfacing texture	Gypsum board core sample, Homogeneous Area M	Gypşum board core sample, Homogeneous Area M	White sheet vinyl flooring	White sheet vinyl flooring	Green 9x9 vinyl floor tile & black mastic	Green 9x9 vinyl floor tile & black mastic	Black vinyl floor tile	Black vinyl floor tile & black mastic	Red vinyl floor tile & black mastic	Red vinyl floor tile & black mastic	Green sheet vinyl flooring
HMGN S AREA	Σ	M	M	Z	Z	0	0	Ф	Д.	Ø	Ø	ш	Ŕ	တ
SMP	30.	<u>. 07.</u>	, .32 *	33	34	35	9£	37	38	3ģ.	40	41	42	43

HMGN MATERIAL DESCRIPTION S AREA	N	MATERIAL LOCATION(S)	MTRL TYPE	QUA NTIT Y	CONDI TION ASSES S	REASON for CONDN ASSESSM ENT	F/NF	ASBE STOS (Y/N)
Green sheet vinyl flooring		NW room	Ŵ	80 sf	G	1	NF	Z
White vinyl floor tile		SW bathroom	M	150 sf	ල	1	NF	Z
White vinyl floor tile		SW bathroom	Σ	150 sf	G	1	NF	z
Sheet vinyl flooring		South porch	Σ	70 sf	ß	•	L	Z
Sheet yinyl flooring		South porch	M	70 sf	G	-	ഥ	z
Red vinyl floor tile & black mastic		Dining room	M	140 sf	9	•	N	γ, both
Red vinyl floor tile & black mastic		Dining room	Σ	140 sf	g	ť	ĸ	Y, both
Green sheet vinyl flooring		SE bedroom	Σ	100 sf	ឲ	ı	FN	Z
Green sheet vinyl flooring		SE bedroom	Z	100 sf	ල	*	NF	Z
Brown vinyl floor tile & mastic		LR	Σ	250 sf	5	E	N.	γ, both
Brown vinyl floor tile & mastic		LR	Ø	<u>2</u> 50 sf	9	ı	ΗN	Y, both
Blue sheet vinyl flooring		NE bedroom	M	100 sf	5	•	L Z	Z
Blue sheet vinyl flooring		NE bedroom	Σ	100 sf	5	2	NF.	Z

Abbreviations

ACM: Asbestos Containing Material

Material Type:

S (Surfacing material), TSI (Thermal System Insulation), M (Miscellaneous)

Condition Assessment:

DTSI (Damaged TSI ACM)

SDTSI (Significantly Damaged TSI ACM)

SDFS (Significantly Damaged Friable Surfacing ACM)

DFM (Damaged Friable Miscellaneous ACM)

SDFM (Significantly Damaged Friable Miscellaneous ACM)

PD (ACM with potential for damage)

PSD (ACM with potential for significant damage)

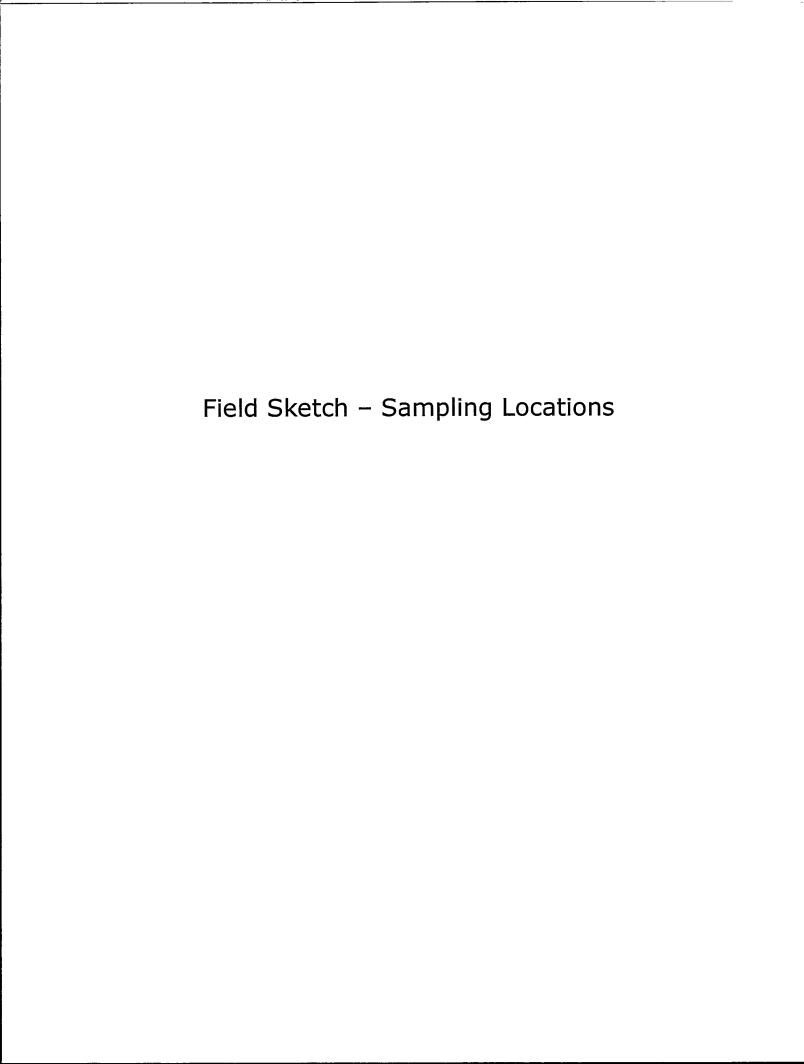
ARF (Any Remaining Friable ACM)

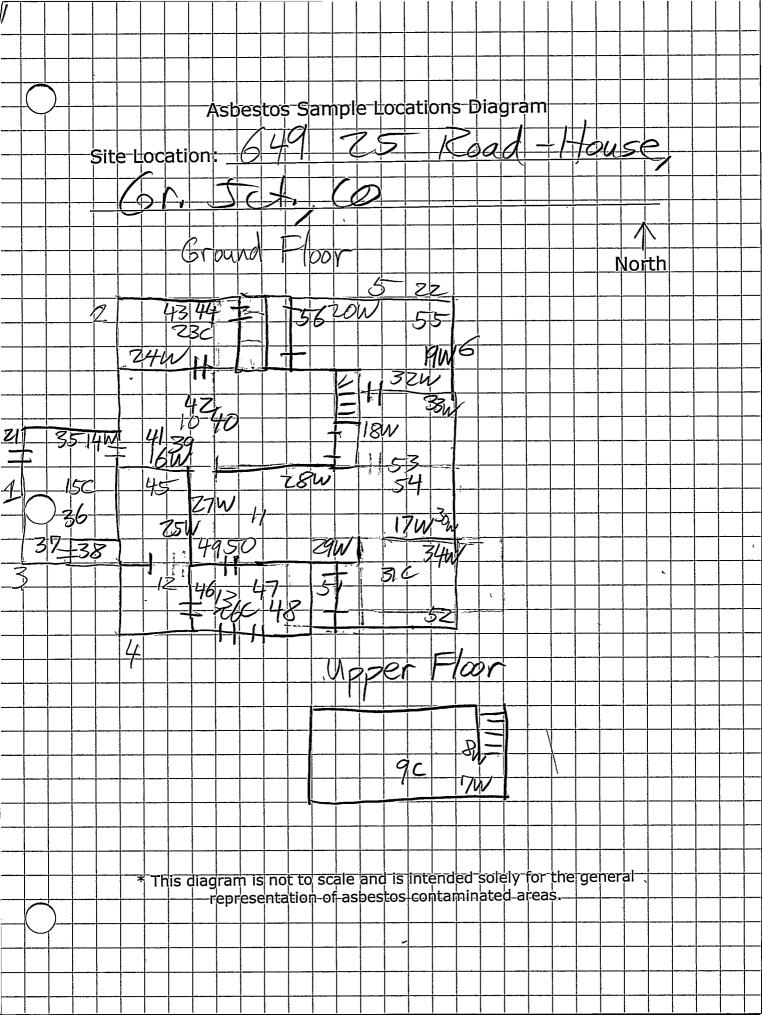
F: Friable

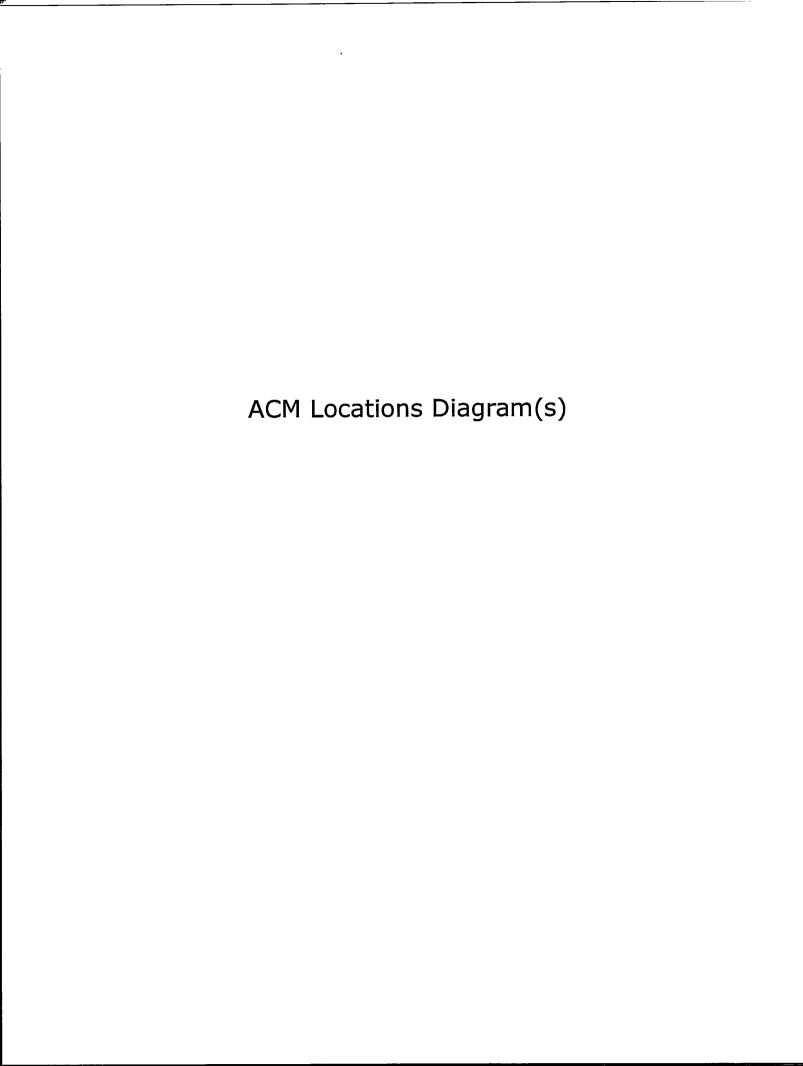
NF: Non Friable

Trace: <1% asbestos

Tr-Comp: Trace by composite analysis





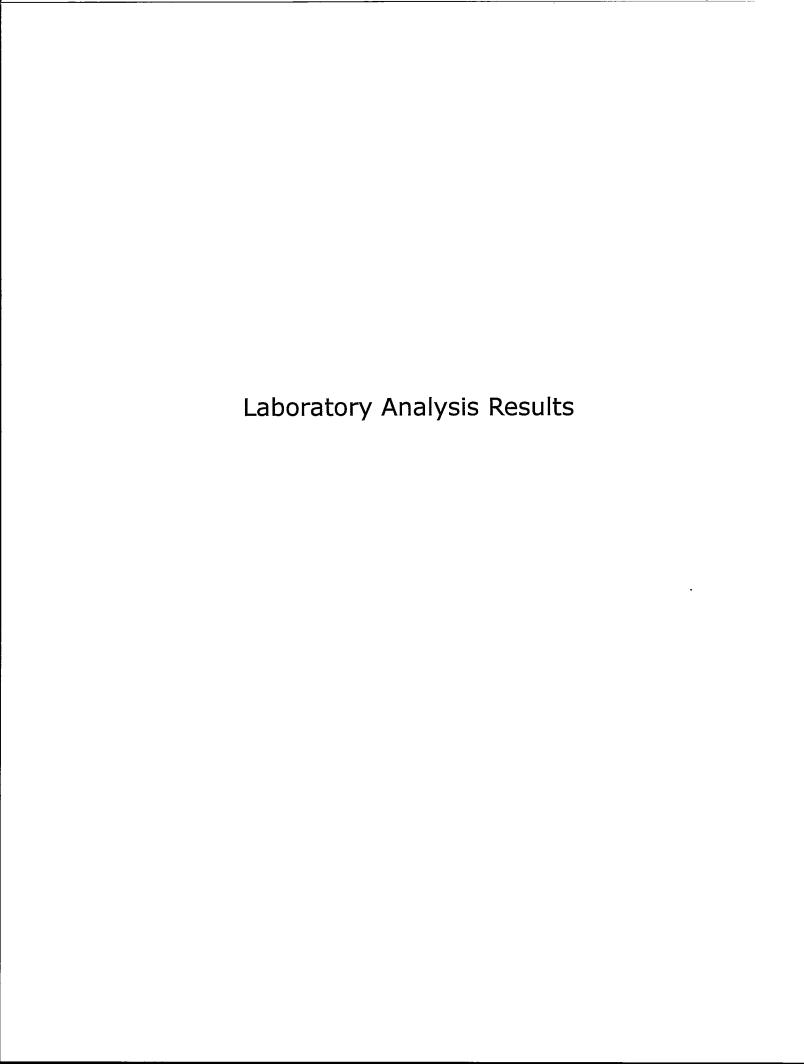


ACM Location	s Diagram	
Site Location: 649 Z	5 Road,	<u> </u>
Grand Junction,	Co	_
ACM Siding Ground	Nor	th
Shingles and Black Tar Emprea. Felts entire extrior Of of the first	Syptolo and Ce	CM: Plaster Sum Board Il Celotex Il and Iling Panels walls/ceilings
10 07 1 cm (01/2 -11)	////= U	pper

* This diagram is not to scale and is intended solely for the general representation of Asbestos Containing Materials (ACMs).

00 Acm Viny/ Floor Tile/mastic

A ACM Window Glazing (NE and E windows)



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NVLAP #200772-0 TDSHS #300370 CDPHE #AL-18111 LELAP #03069

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

Phase Con Environmental Consultants, LLC

2166 Peregrine Court Grand Junction, CO 81507 Attn: Doug Close

Customer Project: 649 25 Rd. Reference #: CBR24010195

Date:

1/15/2024

Analysis and Method

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are preformed. Calibrated liquid refractive oils are used as liquid mouting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjugation with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines .Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AlHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

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NVLAP #200772-0 TDSHS #300370 CDPHE #AL-18111 LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project:	:	649 25 Rd.		CA Labs Project #:	CBR24010195
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent		ected Building ial Types
1	1-1	Gray Transite	20% Chrysotile	_	aced Gray Sealant
2	2-1	Gray Transite	20% Chrysotile	White Su White Su	rfaced Gray Sealant rfaced Gray Plaster rfaced Brown Ceiling Tile
5	5-1	Tan Surfaced Gray Sealant	2% Chrysotile	Tan Surf	rfaced White Compound aced Gray Plaster aced White Compound
6	6-1	White Surfaced Gray Sealant	2% Chrysotile	_	
9	9-1	White Surfaced Gray Plaster	2% Chrysotile	_	
10	10-1	White Surfaced Brown Ceiling Tile	2% Chrysotile	_	
11	11-1	White Surfaced Brown Ceiling Tile	2% Chrysotile	_	
15	15-1	White Surfaced White Compound	2% Chrysotile	_	

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate pe - perlite fg - fiberglass mw - mineral wool gypsum - gypsum qu - quartz wo - wollastinite bi - binder ta - taic or - organic sy - synthetic ma - matrix ce - cellulose mi - mica br - brucite ve - vermiculite ot - other ka - kaolin (clay)

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pa - palygorskite (clay)

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NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project	:	649 25 Rd.		CA Labs Project #:	CBR24010195
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent		ected Building rial Types

16 16	<i>6-2</i>	Gray Plaster	2% Chrysotile
17 12	7-1	Gray Plaster	2% Chrysotile
18 18	8-1	Tan Surfaced Gray Plaster	2% Chrysotile
19 19	9-1	Tan Surfaced White Compound	2% Chrysotile
20 20	0-1	Tan Surfaced Gray Plaster	2% Chrysotile
21 2	1-1	Black Felt and Tar	2% Chrysotile
22 2	2-1	Black Felt and Tar	2% Chrysotile
23 2	3-1	White Textured Surfacing	2% Chrysotile

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate gypsum - gypsum bi - binder

pe - perlite qu - quartz fg - fiberglass mw - mineral wool pa - palygorskite (clay)

or - organic ma - matrix mi - mica ve - vermiculite ot - other

wo - wollastinite ta - talc sy - synthetic ce - cellulose br - brucite ka - kaolin (clay)

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Overview of Project Sample Material Containing Asbestos

Customer Project	t:	649 25 Rd.		CA Labs Project #:	CBR24010195
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent		ected Building rial Types

26	26-1	Gray Ceiling Tile	2% Chrysotile
27	27-1	Tan Surfaced Gray Plaster	2% Chrysotile
28	28-1	Tan Surfaced White Compound	3% Chrysotile
	28-2	Gray Plaster	2% Chrysotile
29	29-1	Tan Surfaced Gray Plaster	2% Chrysotile
30	30-1	Tan Surfaced White Compound	2% Chrysotile
31	31-1	Tan Surfaced White Compound	2% Chrysotile
32	32-1	Tan Surfaced White Compound	2% Chrysotile

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate gypsum - gypsum

pe - perlite qu - quartz fg - fiberglass

pa - palygorskite (clay)

bi - binder or - organic ma - matrix mi - mica ve - vermiculite ot - other

mw - mineral wool wo - wollastinite ta - talc sy - synthetic ce - cellulose ka - kaolin (clay)

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NVLAP #200772-0 TDSHS #300370 CDPHE #AL-18111 LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project:	:	649 25 Rd.		CA Labs Project #:	CBR24010195
Sample #		Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent		ected Building ial Types
33	33-1	Tan Surfaced White Compound	3% Chrysotile	_	
	33-2	White Compound Beneath Tape	3% Chrysotile	_	
34	34-1	Tan Surfaced White Compound	3% Chrysotile	_	
	34-2	White Compound Beneath Tape	3% Chrysotile	_	
37	37-1	Green Floor Tile	3% Chrysotile	_	
	37-2	Black Mastic	6% Chrysotile	_	
38	38-1	Green Floor Tile	3% Chrysotile	_	
	38-2	Black Mastic	6% Chrysotile		

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate gypsum - gypsum bi - binder or - organic ma - matrix mi - mica ve - vermiculite ot - other pe - perlite qu - quartz fg - fiberglass mw - mineral wool wo - wollastinite ta - talc sy - synthetic ce - cellulose

br - brucite

ka - kaolin (clay)

pa - palygorskite (clay)

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NVLAP #200772-0 TDSHS #300370 CDPHE #AL-18111 LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project	:	649 25 Rd.		CA Labs Project #: CBR24010195
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
	39-2	Black Floor Tile	4% Chrysotile	-
	39-3	Brown Mastic	2% Chrysotile	_
40	40-2	Gray Floor Tile	3% Chrysotile	_
	40-3	Black Mastic	2% Chrysotile	_
49	49-1	Brown Floor Tile	3% Chrysotile	_
	49-2	Black Mastic	2% Chrysotile	_
50	50-1	Brown Floor Tile	3% Chrysotile	_

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other

pe - perlite qu - quartz

50-2 Black Mastic

fg - fiberglass mw - mineral wool wo - wollastinite ta - talc sy - synthetic

ce - cellulose

ka - kaolin (clay)

br - brucite

2% Chrysotile

pa - palygorskite (clay)

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Dedicated to Quality

CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 CDPHE #AL-18111 LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Pro	iect:	649 25 Rd.		CA Labs Project #: CBR24010195		
Sample #		Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types		
53	53-1	Tan Floor Tile	3% Chrysotile	_		
	53-2	Black Mastic	2% Chrysotile	_		
54	54-1	Tan Floor Tile	3% Chrysotile	_		
	54-2	Black Mastic	2% Chrysotile	_		

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate gypsum - gypsum bi - binder or - organic ma - matrix mi - mica ve - vermiculite ot - other pe - perlite qu - quartz

ite fg - fiberglass
rtz mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose

pa - palygorskite (clay)

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br - brucite

ka - kaolin (clay)

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Phone #

Sample #

Fax#

CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: Phase Con Environmental Consultants, LLC 2166 Peregrine Court

970-241-6480

ment

Attn: Doug Close

Grand Junction, CO 81507

Customer Project: 649 25 Rd.

CA Labs Project #: CBR24010195

Turnaround Time: 3 day

(Y/N)

Date:

1/15/2024 1/11/2024

Samples Received: **Date Of Sampling:** Purchase Order #:

970-241-6584 Analysts Physical Description of Com Layer

Subsample

Homogeneo us

Asbestos type / calibrated visual estimate percent

Non-asbestos fiber type / percent

Non-fibrous type / percent

					·	
1	1-1	Gray Transite	Y	20% Chrysotile		80% qu, ma, ca
						· ** - **
2	2-1	Gray Transite	Υ	20% Chrysotile		80% qu, ma, ca
3	3-1	Black Shingle with Black Gravel	Y	None Detected	70% fg	30% qu, ma, bi
4	4-1	Black Shingle with White Gravel	Y	None Detected	70% fg	30% qu, ma, bi
~`						
5	5-1	Tan Surfaced Gray Sealant	N	2% Chrysotile		98% qu, ma, bi, ca
						98% qu, ma, bi,
6	6-1	White Surfaced Gray Sealant	N	2% Chrysotile		ca
						100% qu, ma, bi,

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116) Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate gypsum - gypsum bi - binder

or - organic

ma - matrix

mi - mica ve - vermiculite ot -other

qu - quartz

Blue Surfaced Tan Plaster

fg - fiberglass mw - mineral woo wo - wollastinite pe - perlite ta - talc

sy - synthetic

ce - cellulose br - brucite ka - kaolin (clay) pa - palygorskite (clay)

Approved Signatories:

ca

David Darby

Analyst

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

Aris III

1. Fire Damage significant fiber damage - reported percentages reflect upaltered fibers

2. Fire Damage no significant fiber damages effecting fibrous percentages

3. Actinolite in association with Vermiculite

4. Layer not analyzed - attached to previous positive layer and contamination is suspected

5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc

7. Contamination suspected from other building materials

Favorable scenario for water separation on vermiculite for possible analysis by another method
 Result point counted positive

10. TEM analysis suggested

None Detected

Dedicated to Quality

Phone #

Fax#

CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Doug Close Phase Con Environmental Consultants, LLC

970-241-6480

970-241-6584

Customer Project: 649 25 Rd.

CA Labs Project #:

2166 Peregrine Court Grand Junction, CO 81507

CBR24010195

Turnaround Time: 3 day

Date: Samples Received: 1/15/2024 1/11/2024

Date Of Sampling:

Purchase Order #:

Asbestos type /

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)		Non-asbestos fiber type / percent	Non-fibrous type / percent
8		8-1	Blue Surfaced Tan Plaster	N	None Detected		100% qu, ma, bi, ca
9		9-1	White Surfaced Gray Plaster	N	2% Chrysotile		98% qu, ma, bi, ca
10		10-1	White Surfaced Brown Ceiling Tile	N	2% Chrysotile	80% ce	18% qu, ma, bi, ca
<u>11</u>		11-1	White Surfaced Brown Ceiling Tile	N	2% Chrysotile	80% ce	18% qu, ma, bi, ca
12		12-1	White Surfaced Tan Ceiling Tile	N	None Detected	80% ce	20% qu, ma, bi
13		13-1	White Surfacing	Y	None Detected		100% qu, bi, ca
		13-2	Gray Ceiling Tile	Y	None Detected	15% fg 50% ce	35% qu, ma, pe

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

Identification of asbestos types by dispersion attaining / becke line method. fg - fiberglass ce - cellulose mi - mica

ca - carbonate gypsum - gypsum bi - binder or - organic

ma - matrix

ve - vermiculite ot -other pe - perlite

qu - quartz

mw - mineral wool wo - wollastinite ta - talc

sy - synthetic

br - brucite ka - kaolin (clav) pa - palygorskite (clay)

Approved Signatories:

David Darby Analyst

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

aris Ill.

^{1.} Fire Damage significant fiber damage - reported percentages reflect unaltered fibers

^{2.} Fire Damage no significant fiber damages effecting fibrous percentages

Actinolite in association with Vermiculite
 Layer not analyzed - attached to previous positive layer and contamination is suspected

^{5.} Not enough sample to analyze

^{6.} Anthophyllite in association with Fibrous Talc

^{7.} Contamination suspected from other building materials

^{8.} Favorable scenario for water separation on vermiculite for possible analysis by another method

^{9. &}lt; 1% Result point counted positive 10. TEM analysis suggested

Dedicated to Quality

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NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

Attn: Doug Close **Customer Info:** Phase Con Environmental Consultants, LLC **Customer Project:** 649 25 Rd.

CA Labs Project #:

CBR24010195

1/15/2024

2166 Peregrine Court Grand Junction, CO 81507

Turnaround Time: 3 day

Samples Received: Date Of Sampling: Purchase Order #:

Date:

1/11/2024

Phone # Fax#

Sample #

970-241-6480 970-241-6584

ment

Layer

#

Homogeneo

Asbestos type / calibrated visual estimate percent

Non-asbestos fiber type / percent

10% ce

10% ce

Non-fibrous type / percent

us (Y/N)

Ν

Ν

Ν

Ν

White Surfaced White 14 Compound 14-1

None Detected Ν

100% qu, mi, bi,

White Drywall with Paper 14-2

Subsample

Analysts Physical Description of

98% qu, mi, bi,

ca

90% qu, gy

15-1 Compound

White Surfaced White

White Drywall with Paper

2% Chrysotile

None Detected

None Detected

90% qu, gy

16

15

16-1 White Surfacing None Detected

100% qu, bi, ca

16-2 Gray Plaster 2% Chrysotile

98% qu, ma, ca

17

17-1 Gray Plaster 2% Chrysotile

98% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116) Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for

ca - carbonate gypsum - gypsum mi - mica ve - vermiculite

Identification of asbestos types by dispersion attaining / becke line method. fg - fiberglass mw - mineral wool

ce - cellulose br - brucite

bi - binder or - organic ma - matrix ot -other pe - perlite gu - guartz wo - wollastinite ta - talc sv - synthetic

ka - kaolin (clay) pa - palygorskite (clay)

Approved Signatories:

David Darby Analyst

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
 Fire Damage no significant fiber damages effecting fibrous percentages

^{3.} Actinolite in association with Vermiculite

^{4.} Layer not analyzed - attached to previous positive layer and contamination is suspected

^{5.} Not enough sample to analyze

^{6.} Anthophyllite in association with Fibrous Talc

^{7.} Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive

^{10.} TEM analysis suggested

Dedicated to Quality

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NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Doug Close **Customer Project:** CA Labs Project #: Phase Con Environmental Consultants, LLC 649 25 Rd. CBR24010195 2166 Peregrine Court Grand Junction, CO 81507 Date: 1/15/2024 Turnaround Time: 3 day 1/11/2024 Samples Received: Phone # 970-241-6480 Date Of Sampling: Fax # 970-241-6584 Purchase Order #: Analysts Physical Description of Non-asbestos fiber Sample # Com Layer Homo-Asbestos type / Non-fibrous type Subsample calibrated visual type / percent ment / percent geneo us estimate percent (Y/N) 98% qu, ma, bi, 18 Tan Surfaced Gray Plaster 2% Chrysotile ca 98% qu, mi, bi, 19 Tan Surfaced White Compound Ν 2% Chrysotile 19-1 19-2 Gray Plaster None Detected 100% qu, ma, ca 98% qu, ma, ve, 20 Tan Surfaced Gray Plaster Ν 2% Chrysotile 20-1 bi, ca 21 Black Felt and Tar 2% Chrysotile 80% ce 18% qu, ma, bi 22 22-1 Black Felt and Tar Ν 80% ce 2% Chrysotile 18% qu, ma, bi 98% au. mi. bi.

> Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116) Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate gypsum - gypsum bi - binder or - organic

White Textured Surfacing

mi - mica ve - vermiculite ot -other pe - perlite

qu - quartz

fa - fiberalass mw - mineral wool wo - wollastinite ta - talc

sy - synthetic

ce - cellulose br - brucite ka - kaolin (clav) pa - palygorskite (clay)

Approved Signatories:

David Darby Analyst

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

Aris III

23

2% Chrysotile

^{1.} Fire Damage significant liber damage - reported percentages reflect unaltered fibers

^{2.} Fire Damage no significant fiber damages effecting fibrous percentages

^{3.} Actinolite in association with Vermiculite

^{4.} Layer not analyzed - attached to previous positive layer and contamination is suspected

^{5.} Not enough sample to analyze

^{6.} Anthophyllite in association with Fibrous Talc

^{7.} Contamination suspected from other building materials

^{8.} Favorable scenario for water separation on vermiculite for possible analysis by another method

^{9. &}lt; 1% Result point counted positive

Dedicated to Quality

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Analysts Physical Description of

Subsample



NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Doug Close Phase Con Environmental Consultants, LLC 2166 Peregrine Court

Customer Project:

CA Labs Project #:

649 25 Rd.

CBR24010195

Sample #

Grand Junction, CO 81507

Date: Samples Received:

estimate percent

1/15/2024

Turnaround Time: 3 day

Date Of Sampling:

1/11/2024

Phone # 970-241-6480 Fax#

ment

970-241-6584 Layer Com

Homogeneo

Asbestos type / Non-asbestos fiber calibrated visual type / percent

Purchase Order #: Non-fibrous type / percent

us (Y/N)

	23-2 Whit	e Drywall with Paper	N	None Detected	10% ce	90% qu, gy
24	24-1 Whit	te Surfaced Tan Floorboard	N	None Detected	80% ce	20% qu, ma
25	25-1 Whit	te Drywall with Paper	N	None Detected	10% ce	90% qu, gy
26	26-1 Gray	/ Ceiling Tile	Y	2% Chrysotile	15% fg 50% ce	35% qu, ma, pe
						, , , ,
	26-2 Whit	te Drywall with Paper	N	None Detected	10% ce	90% qu, gy
27	27-1 Tan	Surfaced Gray Plaster	N	2% Chrysotile		98% qu, ma, bi, ca
						070/
28	28-1 Tan	Surfaced White Compound	N	3% Chrysotile		97% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate

mi - mica

fg - fiberglass

ce - cellulose

gypsum - gypsum bi - binder or - organic ma - matrix

ve - vermiculite ot -other pe - perlite

qu - quartz

mw - mineral wool wo - wollastinite ta - talc

sy - synthetic

br - brucite ka - kaolin (clay) pa - palygorskite (clay)

Approved Signatories:

David Darby

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

Aris III

Analyst 1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers

Fire Damage no significant fiber damages effecting fibrous percentages
 Actinolite in association with Vermiculite

4. Laver not analyzed - attached to previous positive layer and contamination is suspected

5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc

7. Contamination suspected from other building materials

8. Favorable scenario for water separation on vermiculite for possible analysis by another method

9. < 1% Result point counted positive

Dedicated to Quality

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NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info:

Attn: Doug Close

Customer Project:

CA Labs Project #:

Phase Con Environmental Consultants, LLC 2166 Peregrine Court

Grand Junction, CO 81507

649 25 Rd.

CBR24010195

1/15/2024

970-241-6480

Turnaround Time: 3 day

Date: Samples Received: Date Of Sampling:

1/11/2024

Phone # Fax# Sample #

970-241-6584

Asbestos type / calibrated visual Purchase Order #: Non-asbestos fiber type / percent

Non-fibrous type / percent

Layer ment

Analysts Physical Description of Subsample

Homogeneo us (Y/N)

estimate percent

		Occupation of the state of the	V	OO/ Ohminatila		000/ 500 500 00
	28-2	Gray Plaster	Y	2% Chrysotile		98% qu, ma, ca
29	<i>2</i> 9-1	Tan Surfaced Gray Plaster	N	2% Chrysotile		98% qu, ma, bi, ca
30	30-1	Tan Surfaced White Compound	N	2% Chrysotile		98% qu, mi, bi, ca
	30-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
31	31-1	Tan Surfaced White Compound	N	2% Chrysotile		98% qu, mi, bi, ca
	31-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
32	32-1	Tan Surfaced White Compound	N	2% Chrysotile		98% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116) Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for Identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate

mi - mica

fg - fiberglass

sy - synthetic

ta - talc

ce - cellulose

gypsum - gypsum bi - binder or - organic

ma - matrix

ve - vermiculite ot -other pe - perlite

qu - quartz

mw - mineral wool wo - wollastinite

br - brucite ka - kaolin (clay) pa - palygorskite (clay)

Approved Signatories:

David Darby Analyst

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

^{1.} Fire Damage significant fiber damage - reported percentages reflect unaltered fibers

^{2.} Fire Damage no significant fiber damages effecting fibrous percentages 3. Actinolite in association with Vermiculite

Layer not analyzed - attached to previous positive layer and contamination is suspected

^{6.} Anthophyllite in association with Fibrous Talc 7. Contamination suspected from other building materials

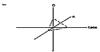
Favorable scenario for water separation on vermiculite for possible analysis by another method
 < 1% Result point counted positive

^{10.} TEM analysis suggested

Dedicated to Quality

CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info:

Sample #

Attn: Doug Close

Subsample

Customer Project:

CA Labs Project #:

Phase Con Environmental Consultants, LLC

2166 Peregrine Court Grand Junction, CO 81507 649 25 Rd.

CBR24010195

Date:

1/15/2024

Turnaround Time: 3 day

Samples Received: **Date Of Sampling:** Purchase Order #:

1/11/2024

Phone # 970-241-6480 Fax#

ment

970-241-6584 Com Layer

Analysts Physical Description of Homogeneo

Asbestos type / calibrated visual estimate percent Non-asbestos fiber type / percent

Non-fibrous type

/ percent

us (Y/N)

	32-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
33	33-1	Tan Surfaced White Compound	N	3% Chrysotile		97% qu, mi, bi, ca
	33-2	White Compound Beneath Tape	Υ	3% Chrysotile		97% qu, mi, ca
	<i>33-3</i>	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
34	34-1	Tan Surfaced White Compound	N	3% Chrysotile		97% qu, mi, bi, ca
	<i>34-2</i>	White Compound Beneath Tape	Y	3% Chrysotile		97% qu, mi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate

34-3 White Drywall with Paper

mi - mica gypsum - gypsum ve - vermiculite fg - fiberglass

ce - cellulose

bi - binder or - organic ot -other pe - perlite qu - quartz mw - mineral wool wo - wollastinite ta - talc sy - synthetic

br - brucite ka - kaolin (clay) pa - palygorskite (clay)

Approved Signatories:

90% qu, gy

David Darby Analyst

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

Fire Damage significant fiber damage - reported percentages reflect unaltered fiber

2. Fire Damage no significant fiber damages effecting fibrous percentages 3. Actinolite in association with Vermiculite

 Layer not analyzed - attached to previous positive layer and contamination is suspected 5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc

7. Contamination suspected from other building materials

8. Favorable scenario for water separation on vermiculite for possible analysis by another method 9. < 1% Result point counted positive

10% ce

10. TEM analysis suggested

None Detected

Dedicated to Quality

CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info:

Attn: Doug Close

Customer Project:

CA Labs Project #:

Phase Con Environmental Consultants, LLC

2166 Peregrine Court Grand Junction, CO 81507

ment

649 25 Rd.

CBR24010195

Date:

1/15/2024

Turnaround Time: 3 day

Samples Received: Date Of Sampling:

1/11/2024

Phone #

970-241-6480

Purchase Order #:

Fax# Sample # Com

970-241-6584 Layer

#

35-1

Analysts Physical Description of Subsample

Asbestos type / calibrated visual estimate percent

Non-asbestos fiber type / percent

Non-fibrous type / percent

geneo us (Y/N)

Homo-

None Detected

20% ce

80% qu, ma

Tan Mastic

None Detected

None Detected

20% ce

80% qu, ma

100% qu, bi

Tan Mastic

36-1

None Detected

100% qu, bi

37

35

36

Green Floor Tile

Tan Linoleum

Tan Linoleum

3% Chrvsotile

6% Chrysotile

97% qu, ma, ca

94% qu, bi

38

Green Floor Tile

37-2 Black Mastic

3% Chrysotile

97% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate gypsum - gypsum

mi - mica ve - vermiculite

fg - fiberglass mw - mineral wool ce - cellulose br - brucite

bi - binder or - organic ma - matrix ot -other pe - perlite qu - quartz wo - wollastinite ta - talc sy - synthetic

ka - kaolin (clay) pa - palygorskite (clay)

Approved Signatories:

David Darby

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

Orio Will

Analyst 1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers

2. Fire Damage no significant fiber damages effecting fibrous percentages 3. Actinolite in association with Vermiculite

4. Layer not analyzed - attached to previous positive layer and contamination is suspected

5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc

7. Contamination suspected from other building materials

8. Favorable scenario for water separation on vermiculite for possible analysis by another method

9. < 1% Result point counted positive

CA Labs Dedicated to

Quality

CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info:

Attn: Doug Close

Phase Con Environmental Consultants, LLC

Customer Project:

CA Labs Project #:

2166 Peregrine Court

Grand Junction, CO 81507

649 25 Rd.

CBR24010195

Date:

1/15/2024

Turnaround Time: 3 day

Samples Received: Date Of Sampling:

1/11/2024

Phone # Fax #

970-241-6480

970-241-6584

Analysts Physical Description of

Homoestimate percent

Purchase Order #: Asbestos type / calibrated visual type / percent

Non-asbestos fiber

Non-fibrous type / percent

Sample #

Com Laver ment

Subsample

geneo us (Y/N)

39

Tan Mastic

38-2 Black Mastic

6% Chrysotile

None Detected

100% qu, bi

94% qu, bi

Black Floor Tile

Brown Mastic

4% Chrysotile

96% qu, ma, ca

40

Tan Mastic 40-1

None Detected

2% Chrysotile

100% qu, bi

98% qu, bi

Gray Floor Tile

3% Chrysotile

97% qu, ma, ca

39-2

40-3 Black Mastic

2% Chrysotile

98% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate

mi - mica

fg - fiberglass

ce - cellulose

gypsum - gypsum

ve - vermiculite ot -other

mw - mineral wool wo - wollastinite

br - brucite ka - kaolin (clay)

bi - binder or - organic ma - matrix

pe - perlite au - auartz ta - talc sy - synthetic pa - palygorskite (clay)

Approved Signatories:

David Darby

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

Onis Ill

Analyst

Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
 Fire Damage no significant fiber damages effecting fibrous percentages

3. Actinolite in association with Vermiculite

4. Layer not analyzed - attached to previous positive layer and contamination is suspected

5. Not enough sample to analyze

6. Anthophyllite in association with Fibrous Talc

7. Contamination suspected from other building materials 8. Favorable scenario for water separation on vermiculite for possible analysis by another method

9. < 1% Result point counted positive

Dedicated to Quality

CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 CDPHE #AL-18111 LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Project: CA Labs Project #: Attn: Doug Close **Customer Info:** CBR24010195 649 25 Rd. Phase Con Environmental Consultants, LLC 2166 Peregrine Court 1/15/2024 Grand Junction, CO 81507 Date: 1/11/2024 Turnaround Time: 3 day Samples Received: Date Of Sampling: Phone # 970-241-6480 970-241-6584 Purchase Order #: Fax# Asbestos type / Non-asbestos fiber Non-fibrous type Analysts Physical Description of Homo-Sample # Layer geneo calibrated visual type / percent / percent Subsample ment us estimate percent (Y/N) 100% qu, bi 41-1 Tan Mastic None Detected 41 None Detected 30% ce 70% qu, ma Red Linoleum 42 Tan Mastic None Detected 100% qu, bi None Detected 30% ce 70% qu, ma Red Linoleum 42-2 43 None Detected 100% qu, ot 43-1 Gray Foam Green Linoleum Y None Detected 20% ce 80% qu, ma 43-2

> Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116) Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate gypsum - gypsum bi - binder or - organic

ma - matrix

44-1 Gray Foam

mi - mica ve - vermiculite ot -other pe - perlite

qu - quartz

fa - fiberalass mw - mineral wool wo - wollastinite ta - talc

sy - synthetic

ce - cellulose br - brucite ka - kaolin (clay) pa - palygorskite (clay)

Approved Signatories:

100% qu, ot

David Darby Analyst

1. Fire Damage significant fiber damage - reported percentages reflect unal

Fire Damage no significant fiber damages effecting fibrous percentages
 Actinolite in association with Vermiculite

4. Layer not analyzed - attached to previous positive layer and contamination is suspected

5. Not enough sample to analyze

44

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

Aris III

6. Anthophyllite in association with Fibrous Talc

7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counled positive

10. TEM analysis suggested

None Detected

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NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

649 25 Rd.

Customer Info:

Attn: Doug Close

Customer Project:

CA Labs Project #: CBR24010195

Phase Con Environmental Consultants, LLC

2166 Peregrine Court

Grand Junction, CO 81507

Com

ment

Date:

1/15/2024

Turnaround Time: 3 day

Samples Received: Date Of Sampling: Purchase Order #:

1/11/2024

Phone # Fax# Sample # 970-241-6480

970-241-6584

Layer

#

Homogeneo

Asbestos type / calibrated visual

estimate percent

Non-asbestos fiber type / percent

Non-fibrous type / percent

us (Y/N)

45

45-1 White Floor Tile

Subsample

Analysts Physical Description of

None Detected

100% qu, ca

Tan Mastic 45-2

46-1

48-1

48-2

None Detected

100% qu, bi

100% qu, ca

47

46

Tan Linoleum 47-1

White Floor Tile

None Detected

None Detected

20% ce

80% qu, ma

100% qu, bi

Tan Mastic

None Detected

None Detected

20% ce

80% qu, ma

48

Tan Mastic

Tan Linoleum

Y

None Detected

100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116) Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate

mi - mica

fg - fiberglass

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gypsum - gypsum bi - binder or - organic

ma - matrix

ve - vermiculite ot -other pe - perlite au - auartz

mw - mineral wool wo - wollastinite ta - talc sy - synthetic

ka - kaolin (clay) pa - palygorskite (clay)

Approved Signatories:

David Darby

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

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NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

Polarized Light Asbestiform Materials Characterization

649 25 Rd.

Customer Info:

Attn: Doug Close

Customer Project:

CA Labs Project #:

Phase Con Environmental Consultants, LLC

CBR24010195

2166 Peregrine Court

Grand Junction, CO 81507

1/15/2024 Date:

Turnaround Time: 3 day Samples Received:

Date Of Sampling: Purchase Order #: 1/11/2024

Phone # 970-241-6480 Fax#

970-241-6584

Homo-Asbestos type /

Non-asbestos fiber type / percent

Non-fibrous type / percent

Sample # Com Layer ment

Analysts Physical Description of Subsample

calibrated visual geneo us estimate percent (Y/N)

49 49-1 Brown Floor Tile 3% Chrysotile

97% qu, ma, ca

97% qu, ma, ca

Black Mastic 49-2

Brown Floor Tile

Black Mastic

Blue Linoleum

2% Chrysotile

98% qu, bi

50-1

51-1

3% Chrysotile

2% Chrysotile

98% qu, bi

None Detected

20% ce

80% qu, ma, bi

52 52-1 Blue Linoleum

None Detected

20% ce

80% qu, ma, bi

53

50

51

53-1 Tan Floor Tile 3% Chrysotile

97% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116) Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

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gypsum - gypsum bi - binder or - organic

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mw - mineral wool wo - wollastinite ta - talc

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Approved Signatories:

David Darby

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

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CA Labs Dedicated to

Quality

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NVLAP #200772-0 TDSHS #300370 CDPHE #AL-18111 LELAP #03069

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2166 Peregrine Court

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CA Labs Project #:

CBR24010195

Grand Junction, CO 81507

Date: Turnaround Time: 3 day Samples Received: 1/15/2024 1/11/2024

Phone # Fax #

970-241-6480

970-241-6584

Homogeneo

Asbestos type / calibrated visual Purchase Order #: Non-asbestos fiber type / percent

Date Of Sampling:

Non-fibrous type / percent

Sample #

Layer ment

Analysts Physical Description of Subsample #

us (Y/N)

estimate percent

53-2 Black Mastic

2% Chrysotile

98% au, bi

54 Tan Floor Tile 3% Chrysotile

97% qu, ma, ca

54-2 Black Mastic 2% Chrysotile

98% qu, bi

55

Green Linoleum

20% ce

80% qu, ma

56 Green Linoleum

None Detected

None Detected

20% ce

80% qu, ma

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

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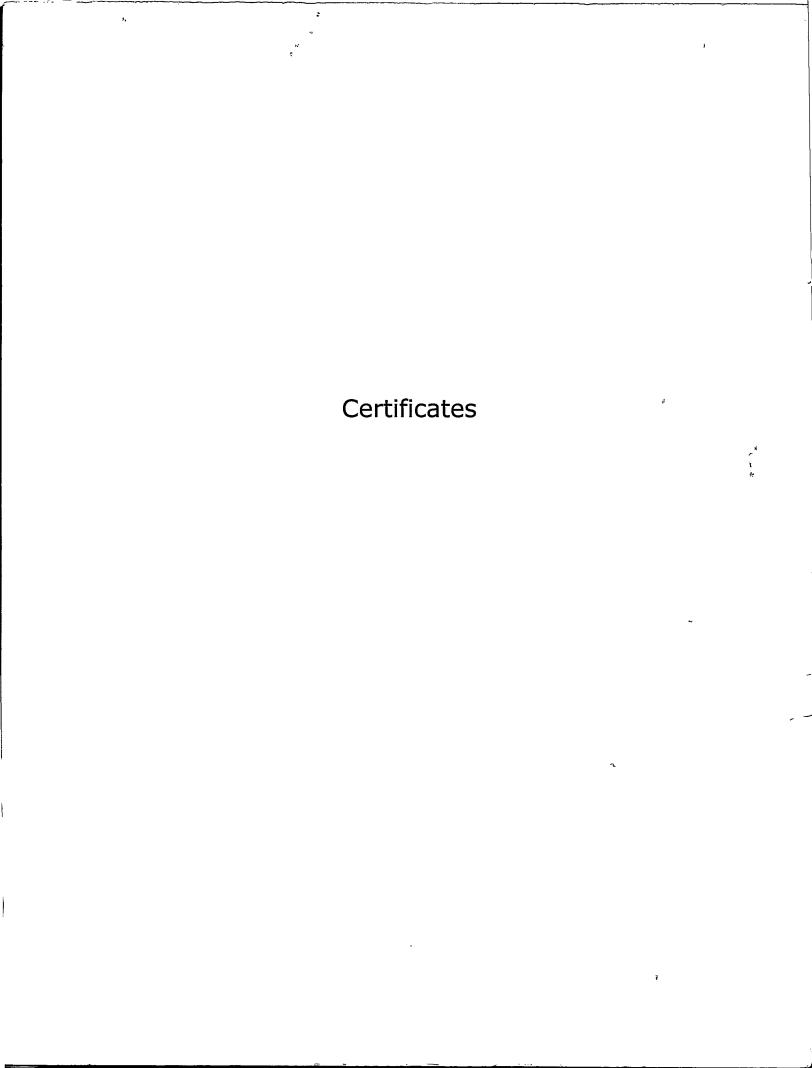
Favorable scenario for water separation on vermiculite for possible analysis by another method
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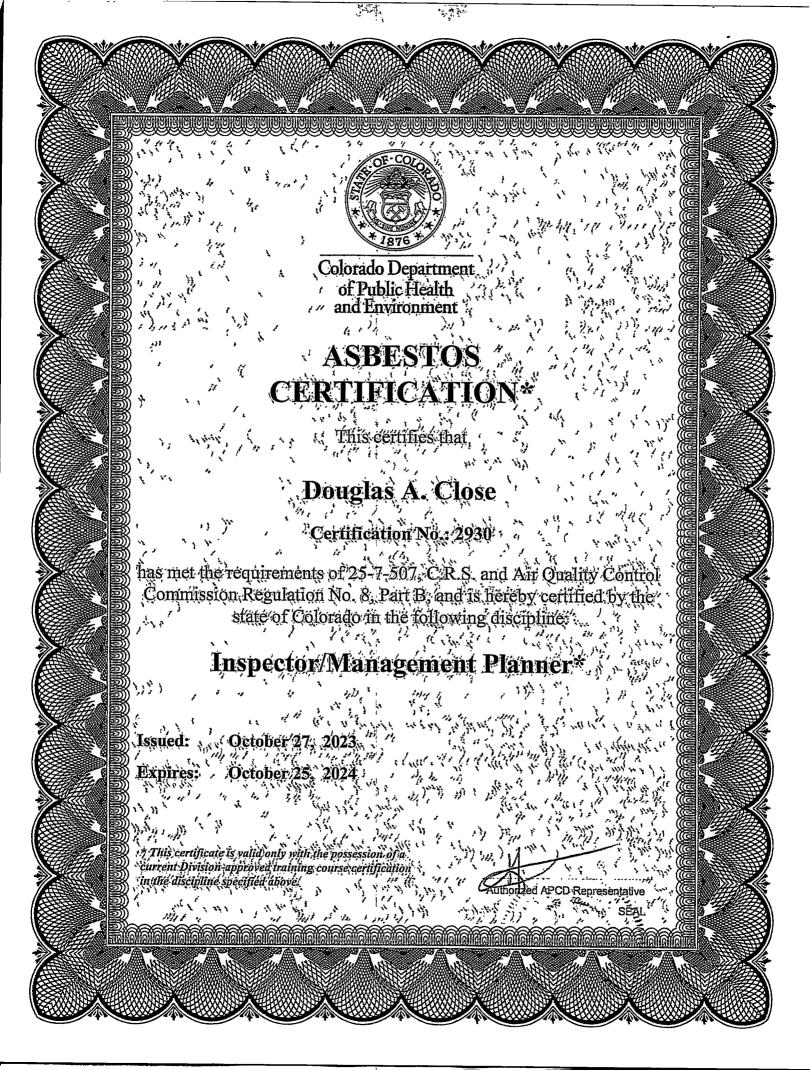


C.A. Labs, LLC. 12232 Industriplex Suite 32 Baton Rouge, LA 70809 Phone: 225-751-5632 Fax: 225-751-5634 Mobile: 225-993-3471

Chain of Custody

Client Name:	ame: Phase Con Environmental Cor			its, LLC CA	Labs job#	CBI	2401019	S	
Client Address: 2166 Peregrine Cour		ourt		Billing Address:					
Grand Junction, CO		0 81507	(if d	if different)					
phone number:	970-26	50-3341		····					
fax number:	888-96	66-0231			d Reports to:	Doug	las Close	>= P	1
Project Number	r: <u> </u>				ject Name:	6	77 '	20 ra	7.
Contact:	Dougla	as Close .		Rep	orts Results VIA:	EMAI	L <u>X</u> FAX	VERBAL	
Total # Samp	lee Sub	mitteď:	Total # Sa	moles to b	e Analyzed:	:]	Material N	fatrix:	
10tal # camp		HILLECOL.	10002 "	56			Air / Bulk	Water	
	0								
Asbestos:			please c	all ahead for			n and/or after ho		
TEM		TA Time	. PL		TA Time		ptical / IAQ	TA Time	
Circle analysis and TA ti	m≥		Circiz analysis an	d TA time	2 hour	l	rgen Particle:	į.	
AHERA	4	hour	Improved		4 hour	, -	bulk/swab	4 hour	
EPA Level II	8	hour	Interim		8 hour	Cyclex-d cassettes		8 hour	
Drinking Wate	er 16	6 hour		~	16 hour 24 hour	1	-cell cassettes	16 hour	
Wipe	24	4 hour	AHERA	AHERA		Anderson cultures		24 hour	
Micro-vac	2	days				Bulk/swab cultures		- 1	
NIOSH 7402		days	1	Point Count -		1	eria cultures	3 days	
Chatfield Bulk	5	days	(NESHAP	(NESHAPS)		PUM	I: NIOSH 7400	5-10 days	
Lead:	Liide analysis	and Til have							
Matrix:	Paint (Soil	Air	Wipe	es	Wastewater	TCLP	
TA Time:	8 ho		1 day	2 days	3 day	ys	5 days	6-10 days	
Sample Informati	ion:			·					
Sample Num	ber:	S	ample Locati	on:	Sample D	ate/T	ime: Sampl	e Volume (L)	
1		•		4					
, ,									
-1114					<u> </u>				
56					 				
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Custody Information			/ 1/10/	4.09	Samples receive	ed: /	mal.	Knon o	1/11/2
marriage a marriage	V-	Sign	nature / Date / T	ime			Signature / I	late / Time	1 10
Samples relinqu	rishe <i>ji.</i>				Samples receive	ed:		J	
	/ -	Sig	nature / Date / T	ime			Signature / I	Date / Time	







Colorado Department of Public Health

ASBESTOS* CERTIFICATION*

This certifies that

Douglas A. Close

Certification No., 2930

has met the requirements of 25-7-507. C.R.S. and Air Quality Control. Commission Regulation No. 8, Part B, and is hereby certified by the state of Colorado in the following discipline:

Project Designer*

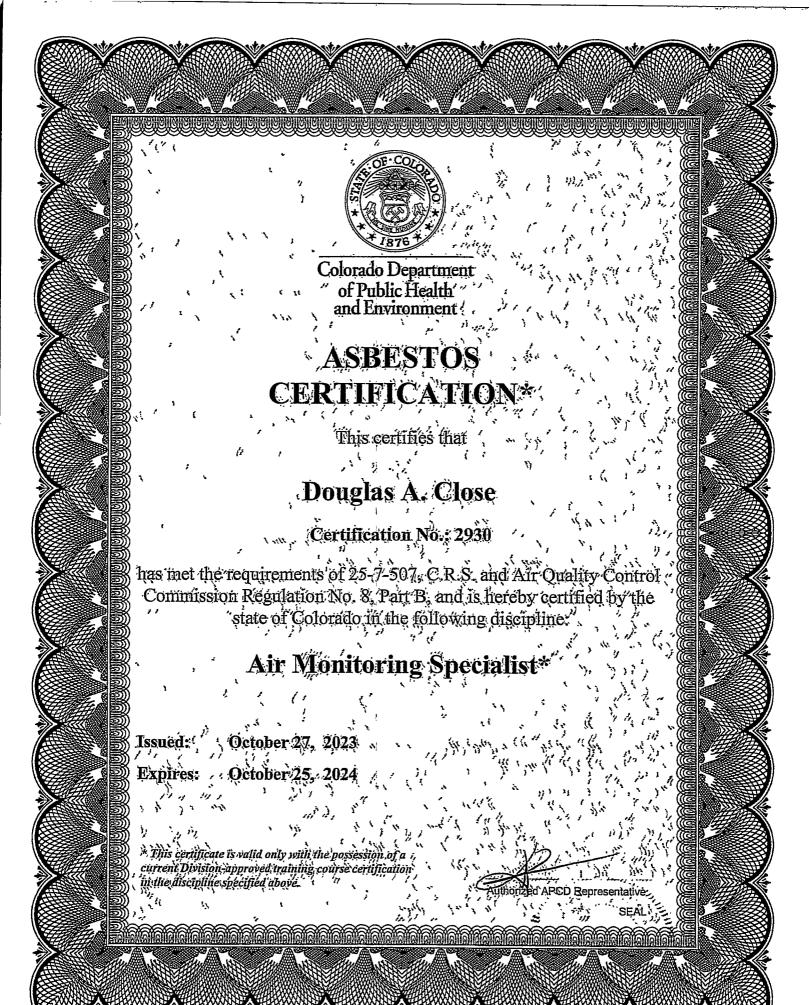
Issued: October 27, 2023

Expires: Dctober 25, 2024

This certificate is valid only with the possession of a current Division-approved training course certification in the discipline specified above:

Authorized APCD Representative

ŠEAI





Colorado Department of Public Health and Environment

ASBESTOS CONSULTING FIRM

This certifies that

Phase Con Environmental Consultants, LLC

Registration No.: ACF - 14801

Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos consulting activities as required under Regulation No 8, Part B, in the state of Colorado. has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control

Issued: January 30, 2023

Expires: January 30, 2024





Colorado Department of Public Health and Environment

SBESTOS LABORATORY

This certifies that

Phase Con Environmental Consultants, LLC

Registration No.: AL - 14801

Commission Regulation No.8, Part B, and is hereby authorized to perform asbestos laboratory testing activities, as required by Regulation No 8, Part B, in the state of Colorado. ir Quality Confro C.R.S. and itrements of 25-7

Signed: April 22, 2

pures: April: 07, 2024



Colorado Department of Public Health and Environment

ASBESTOS LABORATORY

This certifies that

CA Labs, LLC

Registration No.: AL - 27819

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos laboratory testing activities, as required by Regulation No 8, Part B, in the state of Colorado.

April 28, 2023 May 12, 2024 Issued:

Expires:

National Institute of Standards and Technology United States Department of Commerce



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200772-0

CA Labs L.L.C.

Baton Rouge, LA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2024-01-01 through 2024-12-31

Effective Dates



