

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) ASBESTOS - REVISION

CURIEL PRIMARY SCHOOL – CAMPUS ROOF RESTORATIONS AND BUILDING WEATHERIZATION PROJECT

1000 North Curiel Street Eloy, Arizona WT Reference No. 2188JH269

PREPARED FOR:

Eloy Elementary School District 1011 North Sunshine Boulevard Eloy, Arizona 85131

Attn: Edward Sauceda and Ruby James

September 24, 2019

aules

Vicky L. Aviles, AEP, CIAQM **Environmental Project Manager/Principal**



3737 EAST BROADWAY ROAD • PHOENIX AZ 85040 • 602 437 3737 • www.wt-us.com

SURVEY INFORMATION SUMMARY

Consulting Firm:	Western Technologies Inc. 3737 East Broadway Road Phoenix, Arizona 85040 (602) 437-3737
Current Property Owner:	Pinal County School District 11 Eloy
Site Address:	1000 North Curiel Street Eloy, Arizona
Assessor's Parcel Number (APN):	405051750
Facility Description:	Elementary School
Age of Facility:	Building 5 – 1953 Building 6 – 1953 Building 7 – 1953 Building 8 – 1953 Building 9 – 1953 Building 10 – 1953 Building 11 – 1953 Building 12 – 1953 Building 13 – 1953 Building 14 – 1987 Gymnasium – 2005
Date of Survey:	August 6, 2018 September 18, 2019
EPA Accredited Inspector:	Alexander Smith Theodore Stude Vicky Aviles
Certification Number & Expiration Date:	G7791 Exp. 11-08-2018 (Smith) G8459 Exp. 04-06-2019 (Stude) G9945 Exp. 05-04-2020 (Aviles
Training Facility:	The Asbestos Institute (TAI)
Number of Samples & Date Analyzed:	<u>Asbestos (PLM)</u> Building 5 – 18 (8/8/2018) Building 6 – 18 (8/9/2018) Building 7 – 12 (8/9/2018) Building 8 – 18 (8/8/2018)

	Building 9 – 15 (8/8/2018) Building 10 – 18 (8/8/2018) Building 11 – 15 (8/8/2018) Building 12 – 21 (8/8/2018) Building 13 – 15 (8/8/2018) Building 14 – 21 (8/8/2018) Gymnasium – 24 (8/8/2018) All Structures – 40 (9/23/2019)
Methods of Analysis:	Polarized Light Microscopy (PLM) EPA 600/R-93/116 Method – Asbestos
Laboratory:	Fiberquant Analytical Services (PLM) 5025 South 33rd Street Phoenix, Arizona 85040
National Voluntary Laboratory Accreditation Program (NVLAP) Endorsement:	101031-0 (Fiberquant)
Arizona Department of Health Services (AZDHS) Laboratory License:	AZ0633 (Fiberquant) & AZ0805 (Accutest)
Asbestos Containing Building Materials (ACBM) Identified:	<u>Building 5 (RPA Building H)</u> None
	<u>Building 6 (RPA Building A)</u> Sealant @ Roof Penetrations, ~10 s.f. Window/Door Sealant, ~5.4 s.f.
	<u>Building 7 (RPA Building A)</u> Sealant @ Roof Penetrations, ~10 s.f. Window/Door Sealant, ~5.4 s.f.
	<u>Building 8 (RPA Building B)</u> Sealant @ Roof Penetrations, ~10 s.f. Window/Door Sealant, ~5.4 s.f.
	<u>Building 9 (RPA Building B)</u> Sealant for Roof Penetrations, ~10 s.f. Window/Door Sealant, ~5.4 s.f.
	<u>Building 10 (RPA Building C)</u> Sealant @ Roof Penetrations, ~10 s.f. Window/Door Sealant, ~5.4 s.f.

<u>Building 11 (RPA Building C)</u> Sealant @ Roof Penetrations, ~10 s.f. Window/Door Sealant, ~5.4 s.f.

<u>Building 12 (RPA Building D)</u> Sealant @ Roof Penetrations, ~10 s.f. Window/Door Sealant, ~5.4 s.f.

<u>Building 13 (RPA Building D)</u> Sealant @ Roof Penetrations, ~10 s.f. Window/Door Sealant, ~5.4 s.f.

Building 14 (RPA Building F) Window/Door Sealant, ~5.4 s.f.

<u>Gymnasium (RPA Building G)</u> Window/Door Sealant, ~5.4 s.f.

NOTE: This survey is limited to the sampling and analysis only of the materials identified within this report. Other materials located at the site that were not included in this survey should be assumed to be asbestos-containing until sampled to prove they are not.



September 24, 2019

Eloy Elementary School District 1011 North Sunshine Boulevard Eloy, Arizona 85131

Attn: Edward Sauceda and Ruby James

Re: Limited NESHAP Asbestos Survey - Revision WT Job No. 2188JH269 Campus Roof Restorations and Building Weatherization Project Curiel Elementary School 1000 North Curiel Street Eloy, Arizona

INTRODUCTION

Western Technologies Inc. (WT) presents the results of the NESHAP asbestos survey conducted at the above referenced Property. WT was authorized by Edward Sauceda and Ruby James with Eloy Elementary School District to perform these services according to the scope of work under WT's Proposal/Agreement for Professional Services (WT Ref. No. 2188PH436), dated July 13, 2018. The asbestos survey included identifying, quantifying, mapping, and sampling suspect asbestos containing building materials (ACBMs) following the National Emission Standards for Hazardous Air Pollutants (NESHAP) and the Occupational Safety and Health Administration (OSHA) protocol for the identification of ACBM prior to disturbance by planned demolitions and renovations of the structures on the Property. The scope of work included the roof systems and exterior wall components of eleven structures that may be disturbed by the planned renovation.

BUILDING DESCRIPTIONS

The EPA requires each structure to be inspected and sampled for asbestos independent of other structures. The EPA identifies a structure based on its footprint not the roofline. Eight of the structures located on this campus are separated by a breezeway and share the same roofline. Therefore, WT has conducted the asbestos inspection independent for each structure based on the footprint for walls but has determined the roofs to be homogeneous.

Building ID on WT Figure A – Labels given to the 11 buildings on Figure A, attached to this report.

<u>Building ID on RPA Plans</u> – Labels given to the 11 buildings on plans by Robert Polcar Architects, Inc (RPA) for Campus Roof Restorations and Building Weatherization, Project No. 110411103-9999-008-BRG, dated 08/XX/2018.

Building ID on	Building ID on RPA Plans	Building Use
WT Figure A		
Building 5	Building "H"	Administration Offices
Building 6	Building "A" (west of breezeway)	Classrooms 5, 6, 7, and Restrooms
Building 7	Building "A" (east of breezeway)	Classrooms 1, 2, 3, and 4
Building 8	Building "B" (west of breezeway)	Classrooms 12, 13, 14, and Restrooms
Building 9	Building "B" (east of breezeway)	Classrooms 8, 9, 10, and 11
Building 10	Building "C" (west of breezeway)	Classrooms 19, 20, 21, and Restrooms
Building 11	Building "C" (east of breezeway)	Classrooms 15, 16, 17, and 18
Building 12	Building "D" (west of breezeway)	Classrooms 24, 25, 26, and Restrooms
Duilding 12	Building "D" (east of breezeway)	Classrooms 22 and 23, Library, and
Building 13		Teacher's Lounge
Building 14	Building "F"	Cafeteria, Kitchen, and Restrooms
Gymnasium	Building "G"	Gymnasium and Restrooms

Building Use – The observed use of the 11 buildings during the inspection.

ASBESTOS SURVEY

Alexander Smith and Theodore Stude, EPA accredited asbestos inspectors with WT, conducted the survey August 6, 2018. The Property included eleven buildings. The survey was limited to the roofs and exterior walls of eleven buildings on the Property as mentioned above in the scope of the project.

Vicky L. Aviles, EPA accredited asbestos inspector with WT, revisited the site September 18, 2019. During the initial survey, WT was not informed the project included collecting samples of the expansion joints in the masonry walls. Our scope of work did include collecting samples of window sealants but our inspector's misinterpreted that task as referring to window glaze. Therefore, samples of these materials were collected and sampled for asbestos. WT prepared an aerial photograph, which is included at the end of this report (Figure A), to identify the buildings that were surveyed. An aerial photograph was also prepared for each of the buildings on the Property that were included in the survey depicted on Figures 1 through 11 in Appendix A through K of this report.

Building 5 (RPA Building H)

General construction of the exterior of the building consisted of a wooden roof deck and framing, concrete masonry unit exterior walls, on a concrete floor slab. The area of the building was approximately 2,700 square feet. There were two breezeways to the west of the building.

WT collected 18 samples of 6 suspect homogeneous materials from the exterior of the building to include: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and

mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, none were identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material samples collected, review Table 1 and/or the inspector's Asbestos Survey Sample Logs located in Appendix A of this report.

Building 6 (RPA Building A)

General construction of the exterior of the building consisted of a wooden roof deck and framing, concrete masonry unit exterior walls, on a concrete floor slab. The area of the building was approximately 4,320 square feet. The building had a shared roof with Building 7 (RPA Building A) with a breezeway between the two buildings.

WT collected 18 samples of 6 suspect homogeneous materials from the exterior of the building that included: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, one was identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material samples collected, review Table 2 and/or the inspector's Asbestos Survey Sample Logs located in Appendix B of this report.

Building 7 (RPA Building A)

General construction of the exterior of the building consisted of a wooden roof deck and framing, masonry exterior walls, on a concrete floor slab. The area of the building was approximately 4,750 square feet. The building had a shared roof with Building 6 (RPA Building A) with a breezeway between the two buildings.

WT collected 12 samples of 4 suspect homogeneous materials from the exterior of the building which included: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, one was identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material samples collected, review Table 3 and/or the inspector's Asbestos Survey Sample Logs located in Appendix C of this report.

Building 8 (RPA Building B)

General construction of the exterior of the building consisted of a wooden roof deck and framing, masonry exterior walls, on a concrete floor slab. The area of the building was approximately 4,320 square feet. The building had a shared roof with Building 9 (RPA Building B) with a breezeway between the two buildings.

WT collected 18 samples of 6 suspect homogeneous materials from the exterior of the building which included: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, one was identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material samples collected, review Table 4 and/or the inspector's Asbestos Survey Sample Logs located in Appendix D of this report.

Building 9 (RPA Building B)

General construction of the exterior of the building consisted of a wooden roof deck and framing, masonry exterior walls, on a concrete floor slab. The area of the building was approximately 4,750 square feet. The building had a shared roof with Building 8 (RPA Building B) with a breezeway between the two buildings.

WT collected 15 samples of 5 suspect homogeneous materials from the exterior of the building which included: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, one was identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material samples collected, review Table 5 and/or the inspector's Asbestos Survey Sample Logs located in Appendix E of this report.

Building 10 (RPA Building C)

General construction of the exterior of the building consisted of a metal roof and wood framing, masonry exterior walls, on a concrete floor slab. The area of the building was approximately 4,320 square feet. The building had a shared roof with Building 11 (RPA Building C) with a breezeway between the two buildings.

WT collected 18 samples of 6 suspect homogeneous materials from the exterior of the building which included: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, one was identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material samples collected, review Table 6 and/or the inspector's Asbestos Survey Sample Logs located in Appendix F of this report.

Building 11 (RPA Building C)

General construction of the exterior of the building consisted of a wooden roof deck and framing, masonry exterior walls, on a concrete floor slab. The area of the building was approximately 4,750 square feet. The building had a shared roof with Building 10 (RPA Building C) with a breezeway between the two buildings.

WT collected 15 samples of 5 suspect homogeneous materials from the exterior of the building materials which included: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, one was identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material samples collected, review Table 7 and/or the inspector's Asbestos Survey Sample Logs located in Appendix G of this report.

Building 12 (RPA Building D)

General construction of the exterior of the building consisted of a wooden roof deck and framing, masonry exterior walls, on a concrete floor slab. The area of the building was approximately 4,320 square feet. The building had a shared roof with Building 13 (RPA Building D) with a breezeway between the two buildings.

WT collected 21 samples of 7 suspect homogeneous materials from the exterior of the building which included: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, one was identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material samples collected, review Table 8 and/or the inspector's Asbestos Survey Sample Logs located in Appendix H of this report.

Building 13 (RPA Building D)

General construction of the exterior of the building consisted of a wooden roof deck and framing, concrete masonry unit exterior walls, on a concrete floor slab. The area of the building was approximately 4,750 square feet. The building had a shared roof with Building 12 (RPA Building D) with a breezeway between the two buildings.

WT collected 15 samples of 5 suspect homogeneous materials from the exterior of the building which included: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, one was identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material

samples collected, review Table 9 and/or the inspector's Asbestos Survey Sample Logs located in Appendix I of this report.

Building 14 (RPA Building F)

General construction of the exterior of the building consisted of a wooden roof deck and framing, masonry exterior walls, on a concrete slab. The area of the building was approximately 5,970 square feet.

WT collected 21 samples of 7 suspect homogeneous materials from the exterior of the building which included: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, none were identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material samples collected, review Table 11 and/or the inspector's Asbestos Survey Sample Logs located in Appendix K of this report.

Gymnasium (RPA Building G)

General construction of the exterior of the building consisted of a wooden roof deck and framing, masonry walls, on a concrete floor slab. The area of the building was approximately 4,380 square feet.

WT collected 24 samples of 8 suspect homogeneous materials from the exterior of the building which included: roof systems (asphalt shingle, felt, rolled asphalt, penetration sealant, and block and mortar wall materials. Sample collection locations were determined by measuring from the corners of the functional spaces. Of the materials sampled, none were identified by laboratory analysis to contain greater than one-percent asbestos by weight. For a record of suspect material samples collected, review Table 13 and/or the inspector's Asbestos Survey Sample Logs located in Appendix M of this report.

Buildings 6 through 14 and G

WT collected 20 samples of expansion joint material from masonry walls and 20 samples of window and door sealants (between frames and masonry) from these buildings. Of the 40 samples collected, 4 sealant samples were analyzed to contain 1-2% asbestos. Due to the extreme cost to sample every door and window, WT has assumed the sealant on all structures to be asbestos containing.

Laboratory Analysis

Fiberquant Analytical Services (Fiberquant) analyzed the material samples. Fiberquant is an NVLAP-accredited laboratory located in Phoenix, Arizona. Single layer sample analysis was performed in accordance with the EPA's recommended Interim Method 600/R-93/116 for the determination of asbestos in bulk sampling using Polarized Light Microscopy (PLM) with dispersion staining and asbestos analysis via Polarized Microscopy, Qualitative.

SUMMARY OF ASBESTOS CONTAINING BUILDING MATERIALS

<u>Building 6 (RPA Building A)</u> Sealant for Roof Penetrations, approximately 10 square feet Window/Door Sealant, ~5.4 s.f.

<u>Building 7 (RPA Building A)</u> Sealant for Roof Penetrations, approximately 10 square feet Window/Door Sealant, ~5.4 s.f.

<u>Building 8 (RPA Building B)</u> Sealant for Roof Penetrations, approximately 10 square feet Window/Door Sealant, ~5.4 s.f.

<u>Building 9 (RPA Building B)</u> Sealant for Roof Penetrations, approximately 10 square feet Window/Door Sealant, ~5.4 s.f.

<u>Building 10 (RPA Building C)</u> Sealant for Roof Penetrations, approximately 10 square feet Window/Door Sealant, ~5.4 s.f.

<u>Building 11 (RPA Building C)</u> Sealant for Roof Penetrations, approximately 10 square feet Window/Door Sealant, ~5.4 s.f.

<u>Building 12 (RPA Building D)</u> Sealant for Roof Penetrations, approximately 10 square feet Window/Door Sealant, ~5.4 s.f.

<u>Building 13 (RPA Building D)</u> Sealant for Roof Penetrations, approximately 10 square feet Window/Door Sealant, ~5.4 s.f.

<u>Building G (Gymnasium)</u> Window/Door Sealant, ~5.4 s.f.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) CLASSIFICATION & NESHAP CATEGORY FOR ABATEMENT

The following paragraphs are based on our understanding of the current regulations as interpreted by our local regulators at the time of preparation of this report. The following provides classifications and categories used to describe the regulatory requirements for the planned abatement of homogeneous materials. The OSHA classifications provide details for the personal protective equipment and engineering controls needed for abatement of these materials. The Maricopa County NESHAP requires 10-day notification with associated fees prior to the disturbance of regulated asbestos containing materials that quantify 160 square feet and/or 260 linear feet or greater than or equal to 35 cubic feet. Removal methods selected by the Owner can result in variances to the following:

Roof Penetration Sealant

The asbestos containing roof sealant is a non-friable material that appeared in good condition at the time of the inspection. Removal of the roof sealant is <u>deregulated by OSHA</u> and categorized by NESHAP as Category II, non-friable. These materials will not become friable during removal and do not trigger a NESHAP notification.

Sealant (around Window and Door Frames)

The asbestos containing window and doorframe sealant is considered by EPA as miscellaneous, non-friable asbestos containing material. Asbestos containing window and door frame sealant is classified by OSHA as Class II work, non-friable. The asbestos containing window and doorframe sealant is categorized by the NESHAP as Category II, non-friable.

RECOMMENDATIONS

The following recommendations are based on WT's opinion and/or observations, and our understanding to the applicable Federal, State and Local regulations for asbestos.

The door and window frame sealant is very thin applications and very tightly bound and painted over. These materials present no exposure concern unless the windows and doorframes are to be removed. Due to the matrix of this sealant material it is unlikely an exposure concern would even exist during removal of these components. If the door and window frames are scheduled to be removed – persons who have received asbestos training as per the EPA and OSHA regulations should conduct these services. Note: It appears wood panels have been placed over exterior window walls in most of these structures. WT did not remove these panels to verify but believe this to be the case.

LIMITATIONS

Conditions can exist within structures and below the ground surface that are not apparent visually or disclosed by sampling data. This study is limited to the conditions expressly disclosed in this report, and it does not represent the assessment or absence of any other conditions on or affecting the Property. WT's findings are based on the assumption that the sampling locations, and the resulting data, are representative of assessed conditions. WT's interpretation, discussion and opinions of the results obtained from the referenced methods, observed conditions, and tested samples are applicable only to the specifically tested locations at the times stated herein.

The regulatory standards referenced in this report are based on our knowledge of applicable regulatory standards in effect at the time the work was performed. WT cannot anticipate potential future changes to regulatory standards by appropriate governmental agencies.

This asbestos inspection report is <u>not</u> intended to be used as design for abatement activities. It is prepared to identify locations and other specific information regarding the asbestos containing building materials identified at the time of the inspection under our specific scope of work tasks.

Potential damage caused to the structure(s) during the inspection was described in our proposal, accepted and acknowledged by acceptance of the proposal by the Owner, and is unavoidable when conducting asbestos surveys.

WT has performed our services in accordance with our contract with our Client, utilizing the ordinary degree of skill and care practiced by other firms providing similar services in the locality of the site. No other warranty or representation expressed, or implied, is made.

CLOSURE

Thank you for the opportunity to provide services for this project. Please review the initial report prepared in 2018 to see all support data generated at that time. Please call our office if you have any questions concerning the inspection, the report, or to provide a quotation for additional consulting services at (602) 437-3737.

Sincerely, WESTERN TECHNOLOGIES INC. Environmental Services

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Vicky L. Aviles, AEP, CIAQM Environmental Project Manager/Principal

Attachment:Figure A:2018 Aerial PhotographTable 1:Summary of Homogeneous Materials by Functional SpaceAsbestos Survey Sample Logs, Chain-of-Custody, Laboratory ReportInspector's Certification and Photographic Log









FIGURE A - 2018 AERIAL PHOTOGRAPH **ELOY ELEMENTARY SCHOOL 1000 NORTH CURIEL STREET** ELOY, ARIZONA **RPA BLDG A -WEST RPA BLDG A -EAST** WT BLDG 6 WT BLDG 7 RPA BLDG H WT BLDG 5 **RPA BLDG B-EAST RPA BLDG B -WEST** Ψ 6Z WT BLDG 8 WT BLDG 9 Bre RPA BLDG C -WEST **RPA BLDG C-EAST** av WT BLDG 10 WT BLDG 11 RPA BLDG D D-WEST RPA BLDG D-EAST WT BLDG 12 WT BLDG 13 RPA BLDG F WT BLDG 14 RPA BLDG G WT BLDG Gym 2018 Google Reviewed: V. Aviles Date: 09-24-2019 Ν Client: Eloy Elementary School Prepared By: A. Smith Western Technologies Inc. Figure No. A Job No. 2188JH269

TABLE 1 SUMMARY OF HOMOGENEOUS MATERIALS BY FUNCTIONAL SPACE ELOY SCHOOL DISTRICT

PROJECT:		SITE ID: Buildings 4-14	FRIABLE/	PROJECT NO): 2188JH26	69
NESHAP Asbestos Survey (Follow up)		and G	NON			
Curiel Primary School			FRIABLE			
1000 North Curiel Street						
Eloy, Arizona						
HOMOGENEOUS MATERIAL NUMBER	MATERIAL DESCRIPTION	FUNCTIONAL SPACE	F/NF	MATERIAL TYPE	QTY SQ FT	ACBM
C-M-10A1-1, 10A2-2, 10A3-3, 10A4-4, 10A5-5, 10A6-6, 10A7-7, 10A8-8, 10A9-9, 10A10-10, 10A11-11, 10A12-12, 10A13-13, 10A14- 14,10A15-15, 10A16-16, 10A17-17, 10A18-18, 10A19-19, 10A20-20	Sealant	Around Window and Door Frames, and Exerior Wood Panel Covering Windows	NF	Misc	54	YES
C-M-10B1-1, 10B2-2, 10B3-3, 10B4-4, 10B5-5, 10B6-6, 10B7-7, 10B8-8, 10B9-9, 10B10-10, 10B11-11, 10B12-12, 10B13-13, 10B14- 14,10B15-15, 10B16-16, 10B17-17, 10B18-18, 10B19-19, 10B20-20	Expansion Joints	Exterior Masonry Walls	NF	Misc	48	NO

Geotechnical Environmental Inspections Materials	Western Technolo The Quality F Since 1955	ogies Inc. People	А	SBESTOS SUR	VEY SAMPLE LOG
Contraction in the local data	entary School Dist	rict	PROJECT NO: 2	188JH269	Page of 14
SITE ADDRESS: 10	00 North Curiel St	reet, Eloy, AZ	SAMPLED SITE	ng 6-14	4 4 G
HOMOGENEOUS			LOCATION BY I	UNCTIONAL SP	PACE (FS):
SAMPLE NUMBER	R:		TOTAL QUANT	Total	
Sequential #	1- /	2- 2	3- 3		NOTES
Location/FS	Bldg7	Rels.7	RIAS 6	1. C	
Sample Origin	NW NE SW SE	NW NE SW SE	NW NE SW SE	Quella	nt avourd us, doors & panel.
E/W Location	25'6	21'E	~20'W	Seala	MA ON CANC
N/S Location	Ð	Ð	-0	winda	is, doors of
Height ^ Floor	6'6"	Hjoen 3	1.6"		aquel.
Component	Walls	Wheel Alace	Window	uoa	partie
Friable	Yes (No)	Yes No	Yes No		
Condition	Good Damaged Sig. Dam.	Good Damaged Sig. Dam.	Good Damaged Sig. Dam.		
Accessibility	None Rare Q&M General	None Rare O&M General	None Rare O&M General		
Activity Level	СЪМ Н	Дм н	Фмн		
Disturbance Potential	CAN PD PSD	EN PD PSD	PD PSD		
% ASBESTOS	1-290	AID			
TYPE ASBESTOS	Chupblel	NV			
	1	INSPECTOR(S) / ACCREDITAT	ION NO.	
Matthew Steinhoff, T	estos Institute (TAI), G994 AI ID No. G9028, Expiratio D. G9101, Expiration Nove	on October 5, 2019	 John Holmq Jason Criss, 	uist, TAI, ID No. G910 TAI, ID No. ON-4644	6, Expiration April 5, 2020 04, Expiration November 2, 2019 -5308-060519, Expiration June 5, 2020 H1181, Expiration September 11, 2020
SIGNATURE:	4 /WI	lls		DATE: Sep	otember 18, 2019
labora	rcent and type asbesto lory report. Io asbestos detected.	os are entered upon	completion of labora	atory analysis. The	date of analysis is available on the

Geotechnical Environmental Inspections Materials	The Quality F Since 1955	ogies Inc. People	ASBESTOS SURVEY SAMPLE LOG				
CLIENT: Eloy Elementary School District			PROJECT NO: 2188JH269 Page 2 of 20. 14				
SITE ADDRESS: 100	00 North Curiel St	reet, Eloy, AZ	SAMPLED SITE:	ego 6 -	14 + G		
HOMOGENEOUS N	ATERIAL:			UNCTIONAL SPA			
C	alant						
SAMPLE NUMBER	and the second se		TOTAL QUANT	ITY:			
Sequential #	4.4	5-5	6.6		NOTES		
Location/FS	21.1.1.	Blady 8	Bldg 8				
Sample Origin	Blady CO NW KE	NW NE	NV NE	0.0	at around our, clours + 1 panels		
	SW SE	SW SE	SW E	Stalle	all area		
E/W Location	4'W	2816	2510		plans +		
N/S Location	0	6	70	land	our i		
Height ^ Floor	Home	7'	41		1 pares		
Component	Par Par	Winda L	Ven fm 12	4000			
Friable	Yes No	Yes 🗐	Yes 🔊				
Condition	Damaged Sig. Dam.	Good Damaged Sig. Dam.	Good Damaged Sig. Dam.				
Accessibility	None Rare <u>O&M</u> General	None Rare @&M > General	None Rare O&M General				
Activity Level	CL_M H	Съмн	€МН				
Disturbance Potential	EAN PD PSD	ER PD PSD	EN PD PSD				
% ASBESTOS	1-2010	15					
TYPE ASBESTOS	Chrystile	\mathcal{N}		-			
	V	INSPECTOR(S) / ACCREDITAT	ION NO.			
X Vicky Aviles, The Asbes Matthew Steinhoff, TA Alex Smith, TAI, ID No.	Al ID No. G9028, Expiratio	on October 5, 2019	 John Holmq Jason Criss, 	uist, TAI, ID No. G9104 TAI, ID No. ON-4644-5	, Expiration April 5, 2020 4, Expiration November 2, 2019 308-060519, Expiration June 5, 2020 1181, Expiration September 11, 2020		
SIGNATURE:	4 More	10		DATE: Sept	ember 18, 2019		
laborati	cent and type asbesto ory report. o asbestos detected.	os are entered upon	completion of labora	atory analysis. The da	ate of analysis is available on the		

Geotechnical Environmental Inspections Materials	Inspections The Quality People			ASBESTOS SURVEY SAMPLE LOG			
CLIENT: Eloy Elem	Contraction of the second second second	rict	PROJECT NO: 2188JH269 Page 3 of 6.19				
SITE ADDRESS: 10	000 North Curiel St	reet, Eloy, AZ	SAMPLED SITE: Bedge 6-14+G				
HOMOGENEOUS MATERIAL: Sealent			LOCATION BY F	UNCTIONAL SP/	ACE (FS):		
SAMPLE NUMBER	R: C-M - 1	OB	SF: ♥ 549				
Sequential #	17-7	8.8	39-9		NOTES		
Location/FS	BING 9	Blds 9	BINGD				
Sample Origin	NW NE SW SE	NW NE SW SE	NW NE SW SE		t around s, cleans		
E/W Location	~U'W	~ LTW	N/0'W-	-Old seal			
N/S Location	Ð	Ð	0	Cealer	t alder		
Height ^ Floor		4,	4'	10	dent		
Component	Windles	for the	Windu	Windou	21		
Friable	Yes No	Yes No	Yes (No)	pare	8		
Condition	Damaged Sig. Dam.	Good Damaged Sig. Dam.	Good Damaged Sig. Dam.				
Accessibility	None Pare O&M General	None Rare O&M General	None Rare O&M General				
Activity Level	Ф М Н	Дмн	<u>С</u> мн				
Disturbance Potential	ON PD PSD	W PD PSD	Q/N PD PSD				
% ASBESTOS	D.	<i>a</i> .	1.200	9			
TYPE ASBESTOS	py-		Auple	<i>U</i>			
		INSPECTOR(S) / ACCREDITATI	ON NO.			
Matthew Steinhoff, T	estos Institute (TAI), G994 TAI ID No. G9028, Expirati D. G9101, Expiration Nove	on October 5, 2019	 John Holmqu Jason Criss, 1 	uist, TAI, ID No. G9104 TAI, ID No. ON-4644-5	, Expiration April 5, 2020 4, Expiration November 2, 2019 308-060519, Expiration June 5, 2 1181, Expiration September 11, 2		
SIGNATURE:	4 male	5		DATE: Sept	ember 18, 2019		
labora	ercent and type asbest tory report. No asbestos detected.	os are entered upon	completion of labora	tory analysis. The da	ate of analysis is available on t		

WLUB.comCLIENT: Eloy Elementary School DistrictPROJECT NO: 2188JH269Page of \mathcal{J} SITE ADDRESS: 1000 North Curiel Street, Eloy, AZSAMPLED SITE: BLIGS, G-144GBLIGS, G-144GHOMOGENEOUS MATERIAL: SAMPLE NUMBER:LOCATION BY FUNCTIONAL SPACE (FS):SAMPLE NUMBER: C-M-10BTOTAL QUANTITY: SF: $\sim 540\%$ LF:Sequential # 10 - 10 H - 11 H2 - 12NOTESLocation/FSBIGG 10 BIGS 11BIGS 11NW NE Sample OriginSW SESW SEF/W LocationYes NWNOTESOf \mathcal{J} TOTAL QUANTITY: SF: $\sim 540\%$ LF:Sequential # 10 - 10 H - 11 BIGS 11BIGS NW SESW SESW SESW SEIV LocationYES NW NE Sample OriginSW SESW SEComponentYES NW SESW SEOMOMGeneral GoodGoodGoodSoddGoodSet SW SESW SESW SESW SEComponentNOTESOMOMGeneral GoodComponentNone Rare	5 111
SITE ADDRESS: 1000 North Curiel Street, Eloy, AZSAMPLED SITE: Blilly, 6-144GHOMOGENEOUS MATERIAL: SculentLOCATION BY FUNCTIONAL SPACE (FS):SAMPLE NUMBER: C-M-10BTOTAL QUANTITY: SF: $\sim 54\%$ LF:Sequential #10 - 10 H - 11 HZ - 12 NOTESLocation/FSBldg/DBldg/DBldg/HMW NE Sample OriginNW NE SW SEF/W Location12/C NVS NE SW SEKocation12/C PambaN/S Location12/C PambaN/S Location12/C PambaMeight ^ Floor1 PambaGado OmponentGado Damaged Sig. Dam.AccessibilityNone Rare General General General GeneralActivity LevelCM H CM HM H CM HDisturbance PotentialUN PD PSDVetentialC M H C M H	<u>-</u> .19
HOMOGENEOUS MATERIAL: ScalentLOCATION BY FUNCTIONAL SPACE (FS):Sample number:TOTAL QUANTITY: SF: $\sim 54\%$ LF:Sequential #10 - 10 11 - 11 12 - 12NOTESLocation/FSB/dg/DB/dg/DB/dg/DB/dg/IIB/dg/IIDidg/IIB/dg/IIB/dg/IILocation/FSB/dg/DB/dg/IIB/dg/IIB/dg/DB/dg/IIB/dg/IIB/dg/IIConditionSW SESW SEF/W LocationIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
HOMOGENEOUS MATERIAL: ScalentLOCATION BY FUNCTIONAL SPACE (FS):Sample number:TOTAL QUANTITY: SF: $\sim 54\%$ LF:Sequential #10 - 10 11 - 11 12 - 12NOTESLocation/FSB/dg/DB/dg/DB/dg/DB/dg/IIB/dg/IIDidg/IIB/dg/IIB/dg/IILocation/FSB/dg/DB/dg/IIB/dg/IIB/dg/DB/dg/IIB/dg/IIB/dg/IIConditionSW SESW SEF/W LocationIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
SAMPLE NUMBER:TOTAL QUANTITY: SF: $\sim 54\%$ LF:Sequential #10 - 10 11 - 11 12 - 12NOTESLocation/FS $B/dg/D$ $B/dg/I$ $B/dg/I$ Sample OriginNWNE $NWNE$ SW SESW SESW SEE/W Location $12^{+}E^{-}$ $20^{+}E^{-}$ NS Location $4^{+}D^{-}$ $11^{+}C^{-}$ Notation $4^{+}D^{-}$ $4^{+}D^{-}$ Height ^ Floor $4^{+}D^{-}$ $4^{+}D^{-}$ Component $10^{+}D^{+}D^{+}D^{-}$ $4^{+}D^{+}D^{+}D^{-}D^{-}$ GoodGoodGoodGoodConditionDamagedDamagedDamagedDamagedDamagedSig. Dam.Sig. Dam.Sig. Dam.AccessibilityNoneNoneActivity Level $0^{+}M^{+}D^{-}D^{+}D^{-}D^{+}D^{+}D^{+}D^{+}D^{+}D^{+}D^{+}D^{+$	
$C - M - I O B$ SF: $n 5 4 B$ LF:Sequential # $10 - I O$ $11 - I I$ $12 - I Z$ NOTESLocation/FS $B/d_2/D$ $B/d_5/II$ $B/d_5/I/I$ $B/d_5/I/I$ $B/d_5/I/I$ Sample OriginSW SESW SESW SESW SEE/W Location $- I Z E$ $n Z D E$ $D E A D E$ N/S Location $4 I I D$ $- D$ $- D$ Height ^ Floor $- I Z E$ $n Z D E$ Component $D H A H U E$ $D E A D E$ FriableYes NDYes NDYes NDGoodGoodGoodDamagedDamagedSig. Dam.Sig. Dam.Sig. Dam.Sig. Dam.Accessibility $M H$ $M H$ DisturbanceUN PD PSDPotential $(A D)$	
Sequential # $10 - 1^{\circ}$ $11 - 1^{\circ}$ $12 - 1^{\circ}$ NOTESLocation/FS $B/dg/D$ $B/dg/D$ $B/dg/I$ $B/dg/I$ $B/dg/I$ Sample OriginSW SESW SESW SESW SEE/W Location $-12^{\circ}C$ $-25^{\circ}C$ $-25^{\circ}C$ N/S Location $-12^{\circ}C$ $-25^{\circ}C$ $-25^{\circ}C$ N/S Location $-12^{\circ}C$ $-25^{\circ}C$ $-25^{\circ}C$ Neight ^ Floor $-12^{\circ}C$ $-25^{\circ}C$ $-25^{\circ}C$ Component $-12^{\circ}C$ $-12^{\circ}C$ $-25^{\circ}C$ GafodGoodGoodGoodConditionDamagedDamagedSig. Dam.Sig. Dam.Sig. Dam.AccessibilityNoneNoneRareRareRareGeneralGeneralGeneralActivity Level C M H C M HDisturbance L N PD PSDPotential $(-2, 0)^{\circ}$	
Sequencial w If If <tdif< td=""> If If</tdif<>	
Sample Origin NW NE NW NE NW NE NW NE Sw SE SW SE SW SE SW SE SW SE E/W Location I I Component IIII IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
ComponentWith With With With With With With With	
ComponentYes NoYes NoYes NoFriableYes NoYes NoYes NoFriableYes NoYes NoYes NoConditionGoodGoodGoodDamagedDamagedDamagedSig. Dam.Sig. Dam.Sig. Dam.AccessibilityNoneNoneNoneRareRareRareRareOSAMOSAMOSAMGeneralGeneralGeneralActivity LevelOM HC M HM HDisturbanceUN PD PSDUN PD PSDPotentialGoodGood	4
ComponentWith With With With With With With With	1
ComponentYes NoYes NoYes NoFriableYes NoYes NoYes NoFriableYes NoYes NoYes NoConditionGoodGoodGoodDamagedDamagedDamagedSig. Dam.Sig. Dam.Sig. Dam.AccessibilityNoneNoneNoneRareRareRareRareOSAMOSAMOSAMGeneralGeneralGeneralActivity LevelOM HC M HM HDisturbanceUN PD PSDUN PD PSDPotentialGoodGood	í
ComponentWith With With With With With With With	
ComponentYes NoYes NoYes NoFriableYes NoYes NoYes NoFriableYes NoYes NoYes NoConditionGoodGoodGoodDamagedDamagedDamagedSig. Dam.Sig. Dam.Sig. Dam.AccessibilityNoneNoneNoneRareRareRareRareOSAMOSAMOSAMGeneralGeneralGeneralActivity LevelOM HC M HM HDisturbanceUN PD PSDUN PD PSDPotentialGoodGood	
ConditionGoodGoodDamagedDamagedDamagedSig. Dam.Sig. Dam.Sig. Dam.Sig. Dam.NoneNoneAccessibilityNoneNoneRareRareRareO&MDeneralGeneralGeneralGeneralGeneralActivity LevelIMHMHDisturbanceLIN PD PSDVN PD PSDPotentialLIN PD PSDVN PD PSD	
ConditionDamagedDamagedDamagedSig. Dam.Sig. Dam.Sig. Dam.Sig. Dam.Sig. Dam.NoneNoneNoneAccessibilityNoneRareRareO&MD&MO&MO&MGeneralGeneralGeneralActivity LevelImagedImagedDisturbanceLIN PD PSDImagedPotentialImagedImaged	
Sig. Dam.Sig. Dam.Sig. Dam.AccessibilityNoneNoneNoneRareRareRareRareO&MO&MO&MGeneralGeneralGeneralActivity LevelI M HI M HDisturbance PotentialL N PD PSDI N PD PSD	
None None None Accessibility None None Accessibility Rare Rare O&M O&M OBM OBM	
Accessibility Rare O&M Rare O&M Rare O&M Rare O&M Activity Level Image: Mage: Mage	
Octivity Level Octivity H Octivity H Octivity H Disturbance LIN PD PSD LIN PD PSD LIN PD PSD	
Activity Level I M H OL M H OL M H Disturbance Potential L N PD PSD VN PD PSD KN PD PSD	
Potential L/N PD PSD L/N PD PSD K/N PD PSD	
TYPE ASBESTOS	
INSPECTOR(S) / ACCREDITATION NO.	
X Vicky Aviles, The Asbestos Institute (TAI), G9946, Expiration May 4, 2020 Theodore Stude, TAI, ID No. G9766, Expiration April 5, 2020	
 □ Matthew Steinhoff, TAI ID No. G9028, Expiration October 5, 2019 □ John Holmquist, TAI, ID No. G9104, Expiration November 2, 2019 □ Jason Criss, TAI, ID No. ON-4644-5308-060519, Expiration Jule □ Kambray Townsend, TAI, ID No. H1181, Expiration September 	ne 5, 2020
SIGNATURE: UAUUU DATE: September 18, 2019	
Remarks: The percent and type asbestos are entered upon completion of laboratory analysis. The date of analysis is available laboratory report. ND = No asbestos detected.	e on the

Geotechnical Environmental Inspections Materials	The Quality F Since 1955	ogies Inc. People	AS	SBESTOS SURV	YEY SAMPLE LOG
CLIENT: Eloy Eleme		rict	PROJECT NO: 2	188JH269	Page 5 of 2.14
SITE ADDRESS: 100	0 North Curiel St	reet, Eloy, AZ	SAMPLED SITE:		-14 & G
HOMOGENEOUS	ATERIAL:		LOCATION BY F	UNCTIONAL SP	ACE (FS):
SAMPLE NUMBER:	M-10B		SF: SHE TO	TY: Stal LF:	
Sequential #	13-13	14-14	315-15		NOTES
Location/FS	R/dg 12	Bldgh	Blog B		
Sample Origin	SWD SE	NW THE SHA SE	NW NE SW SE	Sealer	f around
E/W Location	221'E	~ 18'W	~21'E	0-	1217
N/S Location	-0-	Ð	Ð	1. Inclose	1. dosto :
Height ^ Floor	7'	\mathcal{Q}'	7'	Word	aves
Component	Window	Dar	Work	wood	t around 1. doors V pares
Friable	Yes No	Yes NO	Yes No		
Condition	Good Damaged Sig. Dam.	Good Damaged Sig. Dam.	God Damaged Sig. Dam.		
Accessibility	None Rare O&M General	None Rare O&M General	None Rare O&M General		
Activity Level	(Эмн	УОМ Н	СМ Н		
Disturbance Potential	LAN PD PSD	WNPD PSD	LN PD PSD		
% ASBESTOS	1/1				
TYPE ASBESTOS	ND-				
X Vicky Aviles, The Asbest Atthew Steinhoff, TAI Alex Smith, TAI, ID No. 6	ID No. G9028, Expiratio	6, Expiration May 4, 20 on October 5, 2019	John HolmquJason Criss, 1	ude, TAI, ID No. G9766 uist, TAI, ID No. G9104 TAI, ID No. ON-4644-5	, Expiration April 5, 2020 4, Expiration November 2, 2019 5308-060519, Expiration June 5, 2020 11181, Expiration September 11, 2020
SIGNATURE:	AAL I	linh		Sec. 1	tember 18, 2019
laborato	ry report. asbestos detected.	os are entered upon	completion of labora	tory analysis. The d	ate of analysis is available on the

Geotechnical Environmental Inspections Materials	Western Technole The Quality I Since 1955	ogies Inc. People		A	SBESTOS SURV	EY SAMPLE LOG	
CLIENT: Eloy Elem		rict	PRC	JECT NO: 2	188JH269	Page 6 of 2	15.14
SITE ADDRESS: 10	00 North Curiel St	reet, Eloy, AZ	SAN	APLED SITE:	12 10-1	44G	
HOMOGENEOUS	MATERIAL: Sealut		LOC		UNCTIONAL SP		
	:-m-10B		TOT	L SYS	LF:		
Sequential #	16-16	17-17	18	-/8		NOTES	
Location/FS	Bldg B	D/dg14	B	1414			
Sample Origin	NW NE	NW NE SW SE		W NE SW SE	Co lent	e around e, cleus od panel	
E/W Location	rl'É	~18'W	r	2516	Ala	levis	
N/S Location	-0	8		0	1 a file	D, Ch	
Height ^ Floor	2'	41		5'	Wind	Dane	
Component	Dow	Winder	10	on	· /S	od p	
Friable	Yes No	Yes (No)	1	les No	Xu		
Condition	Good Damaged Sig. Dam.	Damaged Sig. Dam.		amaged ig. Dam.			
Accessibility	None Rare O&M General	None Rare O&MP General		None Rare O&M General	-		
Activity Level	Дм н	Вмн	C	ЫMН	-		
Disturbance Potential	(1) PD PSD	D PD PSD	Q	PD PSD			
% ASBESTOS	141						
TYPE ASBESTOS	T MJ						
		INSPECTOR((S) / A	CCREDITAT	ION NO.		a constraints
Matthew Steinhoff, T	estos Institute (TAI), G994 AI ID No. G9028, Expirati p. G9101, Expiration Nove	on October 5, 2019		□ John Holmq □ Jason Criss,	uist, TAI, ID No. G9104 TAI, ID No. ON-4644-5	, Expiration April 5, 2020 4, Expiration November 308-060519, Expiration 1181, Expiration Septer	2, 2019 June 5, 2020
SIGNATURE: 4	1/1	h			DATE: Sept	ember 18, 2019	4
labora	ercent and type asbest tory report. To asbestos detected.	os are entered upon	n compl	etion of labora	atory analysis. The d	ate of analysis is availa	ble on the

Geotechnical Environmental Inspections Materials wt-u	Western Technole The Quality F Since 1955	ogies Inc. People	A	SBESTOS SURVEY SAMPLE LOG
CLIENT: Eloy Elem	a the second	rict	PROJECT NO: 2	2188JH269 Page of 7.14
SITE ADDRESS: 10	00 North Curiel St	reet, Eloy, AZ	SAMPLED SITE	ldys 6 - 14 & G
HOMOGENEOUS Se	MATERIAL:		LOCATION BY	FUNCTIONAL SPACE (FS):
SAMPLE NUMBER	n: N-10B		SF: 548 TO	ITY: Fal LF:
Sequential #	19-19	20-20	3- /	NOTES
Location/FS	RILLE G	n/k G		
Sample Origin	NW NE SW SE	NW NE SW SE	NVX NE SW)SE	
E/W Location	-0	-D		Calent around
N/S Location	3'8	23'N		And denst
Height ^ Floor	41	41		alador, Car
Component	leon	10m		Scalent acount Werdows, dens + Wood pares
Friable	Yes No	Yes No!	Yes No	
Condition	Damaged Sig. Dam.	Damaged Sig. Dam.	Good Damaged Sig. Dam.	
Accessibility	None Bare O&M General	None Rare O&M General	None Rare 0&M General	
Activity Level	ФМ Н	Син	LMH	
Disturbance Potential	ETN PD PSD	DN PD PSD	L/N PD PSD	1
% ASBESTOS	In			
TYPE ASBESTOS	NL			
		INSPECTOR(S) / ACCREDITAT	rion no.
Matthew Steinhoff, T	estos Institute (TAI), G994 AI ID No. G9028, Expirati D. G9101, Expiration Nove	on October 5, 2019	 John Holmo Jason Criss, 	tude, TAI, ID No. G9766, Expiration April 5, 2020 quist, TAI, ID No. G9104, Expiration November 2, 2019 TAI, ID No. ON-4644-5308-060519, Expiration June 5, 2020 ownsend, TAI, ID No. H1181, Expiration September 11, 2020
SIGNATURE: 4	M	orly		DATE: September 18, 2019
labora	ereent and type asbest tory report. Io asbestos detected.	os are entered upon	a completion of labor	atory analysis. The date of analysis is available on the

Environmental Inspections Materials	Technol The Quality I Since 1955	ogies Inc. People	ASBESTOS SURVEY SAMPLE LOG					
CLIENT: Eloy Elementary School District SITE ADDRESS: 1000 North Curiel Street, Eloy, AZ HOMOGENEOUS MATERIAL: EXpanded Joint			PROJECT NO: 2	188JH269	Page Sof	2614		
			SAMPLED SITE:	lap 6	14 × G			
			LOCATION BY F	UNCTIONAL SP	ACE (FS):			
SAMPLE NUMBER			SF: 475	TY: LF:		1 1		
Sequential #	1- /	2- 7	3-3		NOTES			
Location/FS	Rectant	Blog 7	Blds 6					
Sample Origin	NOV DED SW SE	NW NE SW SE	NW (LE) SW SE	1. C	MU Wel	lo		
E/W Location	3ºW	2516	300	Vu O	in cy			
N/S Location	A	A	-0-					
Height ^ Floor	24"	6	24"		16 N			
Component	walls		*					
riable	Yes 00	Yes No	Yes No					
Condition	Damaged Sig. Dam.	Good Damaged Sig. Dam.	Damaged Sig. Dam.					
Accessibility	None Rare SEAP General	None Rare ©&M General	None Rare O&M General					
Activity Level	CM H	C.M.H	₫5 M H					
Disturbance Potential	LAL-PD PSD	LAN PD PSD	EN PD PSD					
% ASBESTOS	It							
TYPE ASBESTOS	N.							
		INSPECTOR(S) / ACCREDITATI	ON NO.		4		
X Vicky Aviles, The Asbe Matthew Steinhoff, T. Alex Smith, TAI, ID No	Al ID No. G9028, Expirati	on October 5, 2019	 John Holmqu Jason Criss, 1 	ist, TAI, ID No. G910 Al, ID No. ON-4644-	5, Expiration April 5, 202 4, Expiration Novembe 5308-060519, Expiratio 11181, Expiration Septe	r 2, 2019 n June 5, 2020		
SIGNATURE:	NUU	US		DATE: Sep	tember 18, 2019	1		
laborat	rcent and type asbest ory report. Io asbestos detected.	os are entered upon	completion of labora	tory analysis. The c	late of analysis is avai	ilable on the		

Geotechnical Environmental Inspections Materials	The Q <u>uality</u> F Since 1955	ogies Inc. People	AS	BESTOS SURV	EY SAMPLE LOG
CLIENT: Eloy Eleme	Party in the second	rict	PROJECT NO: 2		Page 90f 26 14
SITE ADDRESS: 100	00 North Curiel St	reet, Eloy, AZ	SAMPLED SITE:	lgs 6 -	-14+C
HOMOGENEOUS N Ey Pa	MATERIAL: ansish	Joint	LOCATION BY F	UNCTIONAL SPA	ACE (FS):
SAMPLE NUMBER:	C - M - /(TOTAL QUANTI	TY: LF:	
Sequential #	4-4	5-5	6-6		NOTES
Location/FS	Bldg 6	Blds 8	Blas		
Sample Origin	NW NE SW (SE	NW NE SW SE	NW NE SW (SE)	Ini	CMUlallo
E/W Location	~13·W	3ºW	NSW	Vn	
N/S Location	D	0	D 1		
Height ^ Floor	41	24"	41		
Component	Juli	Well	Wel		
Friable	Yes Va	Yes No	Yes No		
Condition	Good Damaged Sig. Dam.	Good Damaged Sig. Dam.	Good Damaged Sig. Dam.		
Accessibility	None Rar b O&M General	None Rares O&M General	None Pare O&M General		
Activity Level	Ом н	<i>С</i> рмн	(Эмн		
Disturbance Potential	KIN PD PSD	LON PD PSD	DIN PD PSD		
% ASBESTOS	IM				
TYPE ASBESTOS	100-				
		INSPECTOR(S) / ACCREDITATI	ON NO.	4.
X Vicky Aviles, The Asbes Athew Steinhoff, TA Alex Smith, TAI, ID No.	I ID No. G9028, Expiration	6, Expiration May 4, 20 on October 5, 2019	020	ide, TAI, ID No. G9766, iist, TAI, ID No. G9104 ʿAI, ID No. ON-4644-5	, Expiration April 5, 2020 4, Expiration November 2, 2019 308-060519, Expiration June 5, 2020 1181, Expiration September 11, 2020
SIGNATURE:	WINI	Unlo		DATE: Sept	ember 18, 2019
laborate	cent and type asbest ory report. D asbestos detected.	os are entered upon	completion of labora	tory analysis. The da	ate of analysis is available on the

Geotechnical Environmental Inspections Materials	Technol The Quality Since 1955	ogies Inc. People	A	SBESTOS SURVEY SAMPLE LOG
CLIENT: Eloy Elem		trict	PROJECT NO: 2	188JH269 Page 10 of 200.
SITE ADDRESS: 10	000 North Curiel St	reet, Eloy, AZ	SAMPLED SITE:	
			6	log 6-14+G
HOMOGENEOUS	MATERIAL:	T'A		UNCTIONAL SPACE (FS):
Exp	an sim	Joints		
SAMPLE NUMBER	R: 7-10A		SF:	LF:
Sequential #	7-7	8-3	9-9	NOTES
Location/FS	Blds 9	Blds 9	Bldg10	
Sample Origin	NWONE	NW NE	NW NE	
E/W Location	SW SE	SW SE	SW SE	
N/S Location	176	70	D	
Height ^ Floor	0	24"	3"	In Chill Loels
Component	Chelo	24	0	
Friable	Yes No	Yes No	Yes No	Libers
riable	Good	God	Good	
Condition	Damaged	Damaged	Damaged	
	Sig. Dam.	Sig. Dam.	Sig. Dam.	19 - C
	None Rare	None Rare	None Rare	
Accessibility	O&M	Nale 08M	- O&MP	
And the Local	General	General	General	
Activity Level Disturbance	CLM H	CDM H	CDM H	
Potential	GAN PD PSD	4/N PD PSD	CAPPD PSD	
% ASBESTOS				
TYPE ASBESTOS	10 9-			
Viritai			S) / ACCREDITAT	
Matthew Steinhoff, 1	estos Institute (TAI), G994 TAI ID No. G9028, Expirati o. G9101, Expiration Nove	on October 5, 2019	 John Holmq Jason Criss, 	ude, TAI, ID No. G9766, Expiration April 5, 2020 uist, TAI, ID No. G9104, Expiration November 2, 2019 TAI, ID No. ON-4644-5308-060519, Expiration June 5, 2 wnsend, TAI, ID No. H1181, Expiration September 11, 1
SIGNATURE:	& All	to		DATE: September 18, 2019
labora	rcent and type asbest tory report. No asbestos detected.	os are entered upon	completion of labora	atory analysis. The date of analysis is available on t
1WTI 1014				

Geotechnical Environmental Inspections Materials	The Quality P Since 1955	ogies Inc. eople	A	SBESTOS SURVEY SAMPLE LOG
CLIENT: Eloy Eleme		rict	PROJECT NO: 2	Page of D. 14
SITE ADDRESS: 100	0 North Curiel Str	eet, Eloy, AZ	SAMPLED SITE	: ldgs 6-14 + G
HOMOGENEOUS N	ATERIAL: Expan	sin		FUNCTIONAL SPACE (FS):
			SF:	ITY:
Sequential #	10-10	41-11	\$2-12	NOTES
Location/FS	BIRGID	Bldg 11	Blds 11	
Sample Origin	SW SE	NW NE SW SE	SW SE	hi CMU Wolls
E/W Location	2/5'E	~ (SIE	~15'E	
N/S Location	Ð	Ð	D	
Height ^ Floor	12"	10'	12"	
Component	lebel	Isal	uter	
Friable	Yes No	Yes No	Yes No	r S
Condition	Good Damaged Sig. Dam.	Good Damaged Sig. Dam.	Good Damaged Sig. Dam.	
Accessibility	None Rare O&M General	None Rare O&M General	None Rare O&M General	
Activity Level	Ом н	76 м н	Омн	
Disturbance Potential	D PD PSD	N PD PSD	L/N PD PSD	
% ASBESTOS	IN			
TYPE ASBESTOS	100			
		INSPECTOR(S) / ACCREDITAT	ION NO.
X Vicky Aviles, The Asbest Matthew Steinhoff, TAI Alex Smith, TAI, ID No.	ID No. G9028, Expiratio	5, Expiration May 4, 20 In October 5, 2019	020	ude, TAI, ID No. G9766, Expiration April 5, 2020 Juist, TAI, ID No. G9104, Expiration November 2, 2019 TAI, ID No. ON-4644-5308-060519, Expiration June 5, 2020 ownsend, TAI, ID No. H1181, Expiration September 11, 2020
SIGNATURE:	MAN/	Ulla		DATE: September 18, 2019
laborato	ent and type asbesto ry report. asbestos detected.	s are entered upon	completion of labora	atory analysis. The date of analysis is available on the

Geotechnical Environmental Inspections Materials	The Quality P Since 1955	ogies Inc. eople	ASE	SESTOS SUR	VEY SAMPLE LOG
	s.com entary School Dist	rict	PROJECT NO: 218	38JH269	12 22
					Page of
	00 North Curiel Str Cansim U		SAMPLED SITE: Blde	5p6-	1440
IOMOGENEOÚS			LOCATION BY FU	NCTIONAL S	PACE (FS):
	and the second se	-	TOTAL QUANTIT	Y:	
	1 n ^a		SF: 480	LF:	
Sequential #	13-13	14-14	15-15	12	NOTES
ocation/FS	Bldg 12	Bldg 12	Bldg 13		
Sample Origin	WW NE	NW NE	NW NE		
E/W Location	NIY E	~21W	~20'E	-	Mull,
N/S Location	Ð	-0	Ð	M	Chill
Height ^ Floor	91	24"	24"		Ceals-
Component	Well	Well,	Wall		
Friable	Yes No	Yes the	Yes No		
Condition	Damaged Sig. Dam.	Good Damaged Sig. Dam.	Damaged Sig. Dam.		
Accessibility	None Rare O&M General	None Rare - 0& M General	None Rare O&M General		
Activity Level	Сем н	Смн	<u> М</u> н		
Disturbance Potential	LAN PD PSD	AN PD PSD	QN PD PSD		
% ASBESTOS	Vn				
TYPE ASBESTOS	M-				
		INSPECTOR(S) / ACCREDITATIO	NNO.	
Matthew Steinhoff, T	estos Institute (TAI), G994 AI ID No. G9028, Expirati 5. G9101, Expiration Nove	on October 5, 2019	 John Holmquis Jason Criss, TA 	st, TAI, ID No. G91 N, ID No. ON-4644	66, Expiration April 5, 2020 104, Expiration November 2, 2019 4-5308-060519, Expiration June 5, 2020 . H1181, Expiration September 11, 2020
SIGNATURE:	Wille	4	lal -	DATE: Se	ptember 18, 2019
labora	ercent and type asbest tory report. No asbestos detected.	os are entered upor	completion of laborate	ory analysis. The	e date of analysis is available on the

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Geotechnical Environmental Inspections Materials	Western Technolo The Quality F Since 1955	ogies Inc. People	A	ASBESTOS SURVEY SAMPLE LOG						
and the second	entary School Dist	rict	PROJECT NO: 2	188JH269	Page 3 of 2014					
SITE ADDRESS: 10	000 North Curiel St	reet, Eloy, AZ	SAMPLED SITE:		-14+6					
HOMOGENEOUS	MATERIAL: Danston Jon	nt		UNCTIONAL SP						
SAMPLE NUMBER	R:		SF: USB							
Sequential #	16-16	17-17	18-18		NOTES					
Location/FS	Bldg B	Blogid	Bldc14							
Sample Origin	NW NE	NW NE SW SE	NW NE SW SE							
E/W Location	22116	· -0	~RW							
N/S Location	Ð	1813	Ð	(ni	1 mg					
Height ^ Floor	- 24"	R"	12"							
Component	lelel	Well	ball		cma					
Friable	Yes to	Yes No	Yes No		~~~~~					
Condition	Damaged Sig. Dam.	Damaged Sig. Dam.	Good Damaged Sig. Dam.	н (тр. 1997) 1997 - Прилосски (тр. 1997) 1997 - Прилосски (тр. 1997) 1997 - Прилосски (тр. 1997)						
Accessibility	None Rare O&M General	None Rare <u>O&M</u> General	None Rare O&M General							
Activity Level	Ом н	<i>О</i> мн	Смн							
Disturbance Potential	CAR PD PSD	HN PD PSD	CU/N PD PSD							
% ASBESTOS	101			-						
TYPE ASBESTOS	ND									
14		INSPECTOR(S) / ACCREDITAT	ION NO.						
Matthew Steinhoff, 1	estos Institute (TAI), G994 TAI ID No. G9028, Expiratio o. G9101, Expiration Nove	on October 5, 2019	 John Holmq Jason Criss, 	uist, TAI, ID No. G9104 TAI, ID No. ON-4644-5 pwnsend, TAI, ID No. H	, Expiration April 5, 2020 4, Expiration November 2, 2019 5308-060519, Expiration June 5, 2020 11181, Expiration September 11, 2020					
Remarks: The per-	ercent and type asbesto tory report. No asbestos detected.	, os are entered upon	completion of labora		tember 18, 2019 ate of analysis is available on the					

Geotechnical Environmental Inspections Materials wt-us.	The Q <u>uality</u> F Since 1955	ogies Inc. People		ASI	BESTOS SUR	VEY SAMPLE LO)G
CLIENT: Eloy Elemer	and the second se	rict	PRC	DJECT NO: 21	88JH269	Page of_	70.19
SITE ADDRESS: 100	0 North Curiel St	reet, Eloy, AZ	SAN	APLED SITE: Dlds	s 6-1	446	
homogeneous m	IATERIAL:	Jomt	LOC	CATION BY FL	JNCTIONAL SP	PACE (FS):	
SAMPLE NUMBER:	N-18A		SF:		LF:	-	
Sequential #	19 -19	20-20	3 -			NOTES	
Location/FS	Blds G	Bldg G	1.1	7			
Sample Origin	NW NE SW SE	NW NE SW SE	1.1	NVV NE SW SE			
E/W Location	MSE	15 W					
N/S Location	0	- O					
Height ^ Floor	4'	4'					
Component	(lell	Wheel					
Friable	Yes No	Yes No		Yes No			
Condition	Good Damaged Sig. Dam.	Good Damaged Sig. Dam.		Good Damaged Sig. Dam.			
Accessibility	None Pare O&M General	None Rare O&M General		None Rare O&M General			
Activity Level	Ом н	Семн		LMH			
Disturbance Potential	E/N PD PSD	AN PD PSD	L/I	N PD PSD			
% ASBESTOS	IN			(ž	To bei
TYPE ASBESTOS	NY.		1)			
		INSPECTOR(S) / A		ON NO.		
X Vicky Aviles, The Asbest	ID No. G9028, Expirati	on October 5, 2019	020	 John Holmqui Jason Criss, T/ 	ist, TAI, ID No. G91 Al, ID No. ON-4644	66, Expiration April 5, 20 04, Expiration Novemt -5308-060519, Expirat H1181, Expiration Sep	oer 2, 2019 ion June 5, 2020
SIGNATURE: M	/lur	XA			DATE: Se	otember 18, 201	9
laborato	ent and type asbest ory report. asbestos detected.	os are entered upon	l comp	letion of laborat	ory analysis. The	date of analysis is av	ailable on the

CHAIN OF CUSTODY INDUSTRIAL HYGIENE INDUSTRIAL HYGIENE ASBESTOS I LEAD LEAD	PROJECT MANAGER PROJECT MANAGER EMAIL ADDRESS EMAIL ADDRESS EMAIL ADDRESS EMAIL ADDRESS EMAIL ADDRESS EMAIL ADDRESS COMMENTS COMMENTS	Note: Wts Cern number 15 - 5	DATE TIME RECEIVED BY - SIGNATURE COLOR POLICE COLOR POLI
Jagstaff • (928) 774-8700 • f 774-6469 • 2400 East Huntington Drive • AZ 86004 Phoenix • (602) 437-3737 • f 470-1341 • 3737 East Broadway Road • AZ 85040 Prescott • (928) 443-5010 • f 443-7392 • 1040 Sandretto Drive, Suite C • AZ 86305 Tucson • (520) 748-2262 • f 748-0435 • 3480 South Dodge Boulevard • AZ 85713 Durango • (970) 375-9033 • f 375-9034 • 278 Sawyer Drive, No. 2 • CO 81303 Las Vegas • (702) 798-8050 • f 798-7664 • 6633 West Post Road • NV 89118 Albuquerque • (505) 823-4488 • f 821-2963 • 8305 Washington Place, N.E. • NM 87113 Farmington • (505) 327-4966 • f 327-5293 • 400 South Lorena Avenue • NM 87401 Salt Lake City • (801) 972-3650 • f 972-3653 • 420 West Lawndale Drive • UT 84115	AMPLE TYPE SAMPLE NU0. OF CONTAINERS SAMPLE		RECEIVED BY - SIGNATURE RECEIVED BY - SIGNATURE RECEIV
 Hagstaff • (928) 774-8700 • f 774-6469 • 2400 East Huntington Drive • AZ 86004 Phoenix • (602) 437-3737 • f 470-1341 • 3737 East Broadway Road • AZ 85040 Prescott • (928) 443-5010 • f 443-7392 • 1040 Sandretto Drive, Suite C • AZ 86305 Tucson • (520) 748-2562 • f 748-0435 • 3480 South Dodge Boulevard • AZ 85713 Durango • (970) 375-9033 • f 375-9034 • 278 Sawyer Drive, No. 2 • CO 81303 Las Vegas • (702) 798-8050 • f 798-7664 • 6633 West Post Road • NV 89118 Albuquerque • (505) 823-4488 • f 821-2963 • 8305 Washington Place, N.E. • NM 85 Farmington • (505) 327-4966 • f 327-5293 • 400 South Lorena Avenue • NM 87401 Salt Lake City • (801) 972-3650 • f 972-3653 • 420 West Lawndale Drive • UT 84115 	PROJECT ADDRESS PUNCHASE ORDER NO. SAMPLER PLEASE PRINT NAME TIME SAMPLE LOCATION TIME SAMPLE LOCATION TIME OF CULTUR ST		TIME
Western Technologies Inc. The Q <u>uality</u> People Since 1955 <i>www.wt-us.com</i>	PROJECT NAME WT JOPYON BOTH H 2 GP PUNC SAMPLE JENTHEICATION DATE TIN SAMPLE JENTHEICATION DATE TIN		RELINQUISHED BY - SIGNATURE RELINQUISHED BY - SIGNATURE RELINQUISHED BY - SIGNATURE RELINQUISHED BY - SIGNATURE RELINQUISHED BY - SIGNATURE BATE BATE BATE BATE BATE BATE BATE BAT

CHAIN OF CUSTODY INDUSTRIAL HYGIENE MICROBIAL ASBESTOS LEAD	PROJECT MANAGER		EMAIL ADDRESS	Sinte luga Analyse	COMMENTS	UM 12 aller	2																DATE TIME RECEIVED BY - SIGNATURE	REOLESTED TURNAROUND TIME	DAYS DAYS HOURS	nple DAGE C PAGES	
Hagstaff • (928) 774-8700 • f 774-6469 • 2400 East Huntington Drive • AZ 86004 Phoenix • (602) 437-3737 • f 470-1341 • 3737 East Broadway Road • AZ 85040 Prescott • (928) 443-5010 • f 443-7392 • 1040 Sandretto Drive, Suite C • AZ 86305 Tucson • (520) 748-2262 • f 748-0435 • 3480 South Dodge Boulevard • AZ 85713 Durango • (970) 375-9033 • f 375-9034 • 278 Sawyer Drive, No. 2 • CO 81303 Las Vegas • (702) 798-8050 • f 798-7664 • 6633 West Post Road • NV 89118 Albuquerque • (505) 823-4488 • f 821-2963 • 8305 Washington Place, N.E. • NM 87113 Farmington • (505) 327-4966 • f 327-5293 • 400 South Lorena Avenue • NM 87401 Salt Lake City • (801) 972-3650 • f 972-3653 • 420 West Lawndale Drive • UT 84115	SAMPLE TYPE TEST METHOD		ΠΑΤΝΟ	PE AB ATER														2					TURE RELINQUISHED BY - SIGNATURE	ATORINGY SIGNATURE DATE TIME		White - Testing Laboratory; Yellow - Department Job File; Pink - Field Sample	
tern inologies ality People ce 1955 <i>vt-us.com</i>	PROJECT ADDRESS	100 N. CURIE V	PURCHASE ORDER NO.	171 SAMPLER - PLEASE PRINT MAME	TION DATE TIME SAMPLE LOCATION	1 741 19 100 D. (Wriel	2 1 1 1 2	3					Se l	6	10		/ 21.	-13	1	J.	76	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	URE OF OFFICE ARCENTS BY - SIGNA	URE DATE TIME RECEIVED FOR LABORAL	Y	Review of Analysis Request (Initials)	
The Que Sin Sin	PROJECT NAME	N VI	WT JOB NOT USEVH2	SAMPLER - SIGNATURE	SAMPLE IDENTIFICATION	-111-1031-	- In 1082	- hi- 10/2-	- M- 10 W-	-M- 10136-	C-M-1086	-M-1687	C-11-1068.	C -M- 10134	C-M- 10810	~ - M-10B11-	C-M-108/1	C-M-1000	1-10-1081	C-M 70715	C - 111 70156	MUN M	RELINOUGHED BY - SIGNATI	RELINQUISHED N STGNATU	1	352 - 1993	03/04/11 WTI, Inc.

CHAIN OF CUSTODY	INDUSTRIAL HYGIENE	PROJECT MANAGER	U Auiles		Sindle June Drahlsis	COMMENTS .	PUM (XDansion bull	1 - C /	2	1	La	N	Li I	M	11	W	И	И	Z	K	a	ę	M		DATE TIME RECEIVED BY - SIGWATURE	REOLIESTED TURNAROUND TIME	71	
 2400 East Huntington Drive AZ 86004 3737 East Broadway Road • AZ 85040 1040 Sandretto Drive, Suite C • AZ 86305 3480 South Dodge Boulevard • AZ 85713 	Durango • (970) 375-9033 • f 375-9034 • 278 Sawyer Drive, No. 2 • CO 81303 Las Vegas • (702) 798-8050 • f 798-7664 • 6633 West Post Road • NV 89118 Albuquerque • (505) 823-4488 • f 821-2963 • 8305 Washington Place, N.E. • NM 87113 Farmington • (505) 327-4966 • f 327-5293 • 400 South Lorena Avenue • NM 87401 Salt Lake City • (801) 972-3650 • f 972-3653 • 420 West Lawndale Drive • UT 84115	SAMPLE TYPE TEST METHOD	SBAN	ІАТИС	Эс АВ ЛЕВ	JUB JIW W2 AIR																			RELINOUISHED BY - SIGNATURE	SIGNATURE DATE TIME		White - Testing Laboratory; Yellow - Department Job File; Pink - Field Sample
□ Flagstatt • (928) 774-8700 • 1774-6469 □ Prescott • (602) 437-3737 • f 470-1341 • □ Prescott • (928) 443-5010 • f 443-7392 □ Tucson • (520) 748-2262 • f 748-0435 •	 Durango • (970) 375-9033 • f 375-9034 • 278 Sawyer Drive, No. 2 • CO 813(Las Vegas • (702) 798-8050 • f 798-7664 • 6633 West Post Road • NV 89118 Albuquerque • (505) 823-4488 • f 821-2963 • 8305 Washington Place, N.E. Farmington • (505) 327-4966 • f 327-5293 • 400 South Lorena Avenue • NM Salt Lake City • (801) 972-3650 • f 972-3653 • 420 West Lawndale Drive • U 	RESS	1000 N. Curvel St.	PURCHASE ORDER NO.	SAMPLER - PLEASE PRINT NAME	TIME SAMPLE LOCATION	1000 N. CLUNEST	-																7	CATE TIME RECEIVED BY - SIGNATURE	DATE TIME RECEIVED FOR LABORATORE M- S		2
Western Technologies	The Quality People Since 1955 www.wt-us.com	IAME	95	2186JH269	ATYRE 19 Les	AJE	C. M. 1001-1 /18/	P. M 1012-2 119	7- M-1603.3 1	C W JUAN 4	C M. DR. S	C- M- 10 AL C	0- W. 10877	C- M-1048.8	P- M. 1014.9	1 01.0101-W -2	C- IN 10111 U	C- M. 1601-12	C- M. 1802-13	7 - M. 1912-14	C. MILINIE CC	C- 11-1206-16	7- 11-101111	2- Minkils -	RELINQUISHED Y L SIGNATURE	RELINQUISHED BY ABIANATURA		352 - 1993 ©03/04/11 WTLInc.

CHAIN OF CUSTODY INDUSTRIAL HYGIENE MICROBIAL ASBESTOS LEAD	PROJECT MANA	UICKY, a Contractor	PUM	-						DATE TIME RECEIVED BY - SIGNATURE	REQUESTED TURNAROUND TIME	nple PAGE 2 OF 2 PAGES
 Flagstaff • (928) 774-8700 • f 774-6469 • 2400 East Huntington Drive • AZ 86004 Phoenix • (602) 437-3737 • f 470-1341 • 3737 East Broadway Road • AZ 85040 Prescott • (928) 443-5010 • f 443-7392 • 1040 Sandretto Drive, Suite C • AZ 86305 Tucson • (520) 748-2262 • f 748-0435 • 3480 South Dodge Boulevard • AZ 85713 Durango • (970) 375-9033 • f 375-9034 • 278 Sawyer Drive, No. 2 • CO 81303 Las Vegas • (702) 798-8050 • f 798-7664 • 6633 West Post Road • NV 89118 Albuquerque • (505) 823-4488 • f 821-2963 • 8305 Washington Place, N.E. • NM 87113 Farmington • (505) 327-4966 • f 327-5293 • 400 South Lorena Avenue • NM 87401 Salt Lake City • (801) 972-3650 • f 972-3653 • 420 West Lawndale Drive • UT 84115 	SAMPLE TYPE TEST METHOD	NO. OF CONT BULK SWAB SMAB MATER SOIL SOIL								RELINDUISHED BY - SIGNATURE		atory; Yellow – Department Job File; Mnk – Field Sample
 Flagstaff • (928) 774-8700 • f 774-6469 • 2400 East Huntington Drive • AZ 86004 Prescott • (602) 437-3737 • f 470-1341 • 3737 East Broadway Road • AZ 85040 Prescott • (928) 443-5010 • f 443-7392 • 1040 Sandretto Drive, Suite C • AZ 86305 Tucson • (520) 748-2262 • f 748-0435 • 3480 South Dodge Boulevard • AZ 85713 Durango • (970) 375-9033 • f 375-9034 • 278 Sawyer Drive, No. 2 • CO 81303 Las Vegas • (702) 798-8050 • f 798-7664 • 6633 West Post Road • NV 89118 Albuquerque • (505) 327-4966 • f 327-5293 • 400 South Lorena Avenue • NM 87401 Salt Lake City • (801) 972-3650 • f 972-3653 • 420 West Lawndale Drive • UT 84115 	PROJECT ADDRESS 1000 U. CURICE BT PURCHASE ORDER NO.	SAMPLER - PLEASE PRINT NAME	1000							PDAFE TIME RECEIVED BY - SIGNATINE	DATE TIME RECEIVED FOR LABORATORY AN STONATUR	White - Testing Labor
Western Technologies Inc. The Q <u>uality</u> People Since 1955 <i>www.wf-us.com</i>	1		4/18/						N NI	RELINQUISHED BY - SJGMFTURE	RELINQUISTER	Review of Analysis Request (Initials) 2 ©03/04/11 WTL, Inc.

	FI	BERQUANT
		ANALYTICAL SERVICES
Polar	ized Light Mi	croscope (PLM) Analysis for Asbestos in Bulk Sample
JobNumber:	201909056	
Client:	WESTERN TECHNO	LOGIES INC
	3737 E BROADWAY R	D 0 0 0 9
	PHOENIX, AZ Office Phone: FAX:	85040-2966 (602) 437-3737 (602) 470-1341 Correct WT Job # is 21885H 269
# Samples: 20	PLM Rec: 9/19,	2019 Method: EPA 600/R-93/116 The "New" Method; see below
	59/1000 N Curiel St	PO Number: Analyzed: 9/23/2019 Routing Number: -
Report Date: 9/2 Method and Analysis	5	e Analyzed: 9/23/2019 Routing Number: - Fiberguant Internal SOP: PLMn
Each bulk sample is firs how many and what typ such mounts may be of purposes). The mounts index). Generally, a va optimized for fiber quar	t dissected under a 7- e of layers it has, and selected fibers (used may be made in a sy riety of different mour titation. The mounter	30x magnification stereo-microscope. This examination is used to determine the general type of sample, initial estimates of fiber types and quantities. Second, liquid media mounts are made of each layer - solely for identification purposes) or may be representative of the layer as a whole (used for quantitation othetic Canadian balsam, one of several solvents, or in refractive index oils (media of known refractive ts are made: some optimized for fiber visibility, some optimized for fiber identification, and some of slides are then examined at 50-400x magnification on a Nikon Labphot-pol microscope. Optical wed fiber type; the optical data are contained for each sample on its detail analysis sheet, attached.
"regulated " Samples c	ontaining layers that h s whose layers have b	ate a result of ≤1 % asbestos as "negative" or "non-regulated"and >1 % asbestos as "positive" or ave been determined to be "positive" may have to be handled differently during a renovation or een determined to be "negative." OSHA under CFR 1926.1101 regulates work done involving any
Light Microscopy", Chap all requirements in both the required method for no longer an acceptable accreditation policies, c identification and quant EPA rule. Fiberquant m reporting requirements: arithmetically composit which the analysts quar and accuracy to point c precedence over those are point counted using in order to rely on anal This means that PLM ar "negative". For this rea was >1 % but <= 2% a means that no asbestos several asbestos fibers detail - in the summary depending on the matri unfavorable samples m purposes only. determi	ster 7 of the Quality A: h EPA Method 600/M4- r AHERA (US EPA 40 C r erporting practice in all for separate report ification of asbestos a ot only reports the ast b), but Fiberquant also ed to satisfy the repor- ntitation is routinely ca- ounting. Friability is ed determined in the labo- 400 points. Such poi- ytical results that are : alysis is not capable ca- ason, Fiberquant refers as "borderline positive was detected during during the analysis; ti a trace would be repor x in which the asbesto ay approach the detector ason, the sparent sam	ation is the "Standard Operating Procedures for the Analysis of Asbestos in Bulk Samples using Polarized issurance and Management Manual. This SOP and its associated reporting have been designed to satisfy 82-020 (The Interim Method) and EPA Method 600/R-93/116 (The New Method). The Interim Method is FR Pt. 763), but this method calls for the reporting of composited results of multi-layered samples that is most circumstances. Current EPA rules, such as NESHAP (US EPA 40 CFR Pt. 61), as well as NVLAP ng for each layer of multi-layered samples. The New Method contains the same procedures for s does the Interim Method, except that multi-layered samples are reported to comply with the latest US estos content of each layer of multi-layered samples separately (satisfying current EPA and NVLAP reports what percentage of the sample each layer comprises. Therefore, the results may be ting requirements of the Interim Method. The method of fiber quantitation is an estimation technique in librated by reference quantitation standards, and which has been shown to be equivalent in precision stimated for the purposes of deciding when to point count. Friabilities determined in the field take ratory. Those sample layers which are friable and estimated by the analyst to contain <= 1% asbestos in counting is required by NESHAP (National Emission Standards for Hazardous Air Polutants, Nov. 1990) 5 1%. The coefficient of variation for the estimation quantitation technique is 100% in the range 0-5%. f conclusively determining whether a layer containing close to 1% asbestos is actually "positive" or it to results where asbestos was detected but ≤ 1% as "borderline negative", and results where asbestos ' to indicate the uncertainty in assigning a "positive" or "negative" label. In the sample summary, "ND" the analysis. A "Tr" or "Trace" of asbestos reported is defined for our purposes as the detection of is level would be right at the limit of detection for the method. Trace is only reported on the analysis rted as

Floor tiles present a special problem for PLM asbestos analysis. Floor tile can contain chrysotile fibers so thin that they cannot be resolved by optical methods. In such a case, we may observe a percentage of asbestos which is lower than the actual percentage, or not observe asbestos at all when some is present. For this reason, floor tiles reported as negative should be confirmed to be negative using transmission electron microscope (TEM) analysis. Likewise, vermiculite insulation materials containing traces of asbestiform asbestos present a problem for routine PLM analysis - the amphiboles are sometimes present in trace amounts inhomogeneously distributed. For this reason, loose vermiculite samples reported as negative should be confirmed to contain no amphibole using hydroseparation techniques.

The samples were analyzed under the following ongoing quality assurance program: Blank samples are routinely analyzed to maintain contaminationfree materials. Each analyst has at least a bachelor's degree in physical science, and has also completed extensive training specific to asbestos analysis for 1-3 months before being allowed to analyze client samples. Qualitative reference samples are routinely analyzed to assure that analysts

5025 S. 33rd Street

Phone: 602-276-6139 1-800-743-2687
can identify asbestos and asbestos-look-alike fibers. Quantitative reference samples are routinely analyzed to calibrate and characterize the estimation procedure. Microscope alignment is checked each day. Refractive index oils are calibrated at least quarterly. At least 10% of client samples are re-analyzed from scratch by a different analyst than the original, and any discrepancies are resolved for the sample and similar sample types before the results are reported. All quality checks performed for these samples were in control except as detailed in the "Analytical Notes" below. All analysts participate in interlab round robins and proficiency testing to assure competence. Fiberquant is accredited by NVLAP (Lab code #101031) for the analysis of bulk samples for asbestos using PLM. Accreditation does not imply endorsement by the EPA, any other United States governmental agency or any private agency or association. Each lab analysis refers only to the sample tested, and may not, due to the sampling process, be representative of the material sampled. This report may not be reproduced except in full, without the approval of Fiberquant Analytical Services.

Some results may have been calculated using client supplied data, such as volume or area sampled, for which Fiberquant assumes no liability for accuracy.

Job Analysis Notes:

Single layer sample analysis as per client request. Any material or layer other than that indicated on the chain of custody was not analyzed, even if a suspect material.

21001U2CO/1000 N Curial Ct

PLM Analysis Summary:		Job Number:	201909056	2189JH269/1000 N Curiel St
Sample Number		Lab Number Appa	arent Sample Type *	Asbestos Detected Yes or No
Layer Color	Apparent Layer Ty	ype * Asbestos Res	ults	
Sample # <u>C-M-10B1-1</u>			esive/caulk	Asbestos Detected? Yes
Layer # 1 tan Sample # <u>C-M-10B2-2</u>	sealant		esive/caulk	Asbestos Detected? No
Layer # 1 white Sample # <u>C-M-10B3-3</u>	sealant		esive/caulk	Asbestos Detected? No
Layer # 1 white Sample # <u>C-M-10B4-4</u>	sealant	no asbestos de 2019-09056- 4 Adhe	etected esive/caulk	Asbestos Detected? (Yes)
Layer # 1 tan Sample # <u>C-M-10B5-5</u>	sealant	>1-2% chryso 2019-09056- 5 Adhe	<i>tile asbestos</i> esive/caulk	Asbestos Detected? No
Layer # 1 white Sample # <u>C-M-10B6-6</u>	sealant	no asbestos de 2019-09056- 6 Adhe	etected esive/caulk	Asbestos Detected? No
Layer # 1 white Sample # <u>C-M-10B7-7</u>	sealant	no asbestos de 2019-09056- 7 Adhe	etected esive/caulk	Asbestos Detected? No
Layer # 1 white Sample # <u>C-M-10B8-8</u>	sealant	no asbestos de 2019-09056- 8 Adhe	etected esive/caulk	Asbestos Detected? No
Layer # 1 white Sample # <u>C-M-10B9-9</u>	sealant	no asbestos de		Asbestos Detected? Yes)
Layer # 1 tan	sealant	>1-2% chrysc		Asbestos Detected Yes
Layer # 1 tan	sealant	>1-2% chrysc		Asbestos Detected? No
Layer # 1 white	sealant	no asbestos d		Asbestos Detected? No
Sample # <u>C-M-10B12-12</u> Layer # 1 white	sealant	no asbestos d	etected	Asbestos Detected? No
Sample # <u>C-M-10B13-13</u> Layer # 1 white	sealant	no asbestos d		
Sample # <u>C-M-10B14-14</u> Layer # 1 white	sealant	2019-09056- 14 Adh no asbestos d	esive/caulk etected	Asbestos Detected? No
Sample # <u>C-M-10B15-15</u> Layer # 1 white	sealant	2019-09056- 15 Adh no asbestos d	esive/caulk etected	Asbestos Detected? No
Sample # <u>C-M-10B16-16</u> Layer # 1 white	sealant	2019-09056- 16 Adh no asbestos d	esive/caulk etected	Asbestos Detected? No
Sample # <u>C-M-10B17-17</u> Layer # 1 white	sealant	2019-09056- 17 Adh no asbestos d	esive/caulk etected	Asbestos Detected? No
Sample # <u>C-M-10B18-18</u> Layer # 1 white	sealant		esive/caulk	Asbestos Detected? No
Sample # <u>C-M-10B19-19</u> Layer # 1 white	sealant		esive/caulk	Asbestos Detected? No
Sample # <u>C-M-10B20-20</u> Layer # 1 white	sealant		esive/caulk	Asbestos Detected? No

* Apparent Sample Types and Apparent Layer Types are as they appeared to the analyst. Since many types of materials appear similar after sampling damage, the apparent type of material may not be the actual type of material.

5025 S. 33rd Street

PLM /	Analysis Details			Jol	b Nui	mber:	:	20190	9056	2	189JH2	69/1000	N Curiel	St	
Ana Home	ple C-M-10B1-1 Ilyzed By RAM 9/23 ogeneous Yes n-Fibrous Components		An? C Layers 1		parer As	nt Smp bestos	Type Detect	Adhesiv	/e/caul	18/2019 k		Fibrous	Condition Solid	on: acce	ptable
	Layers						C	Calibrate	ed Visu	al Estima	te of Pe	rcents of E	ach Fiber		
#	Layer Type	%	Color	Friability		Fib 1		Fib 2		Fib 3	I	ib 4	Fib 5	F	ib 6
1	sealant	100	tan	1	1	>1-2%				-		-	-		-
-	Total %	100		Overall %		>1-2%				-		-	-		-
			Eibor Id	entification:		otile asbest	200								
				entineation.	onyo	5110 00000					F	Refractive I	ndex Deter	mination	ıs
	Fibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per		RI Per
1	chrysotile as	bestos		W	А	N	N	L	+	Р	1.550	db/ly	sb/o	1.561	1.553
2															
4															
5															
6															
	e Analytical Note edure: tweased apart usi		Due	an all and to b	on -6	matrix	cinc c-	luont							
Sam		ng loicep		Number	-	-			e d: 9/	18/2019	ρ		Conditi	on: acce	ptable
Ana Hom			An? (Layers 1	OK A	opare As	nt Smp bestos	Type Detec	Adhesi	ve/cau			Rubbe	ΓY		
	Layers							Calibrat	ed Visu	al Estima	ate of Pe	ercents of I	ach Fiber		
#	Layer Type	%	Color	Friability		Fib 1	1	Fib 2	1	Fib 3	-	Fib 4	Fib 5		Fib 6
		100	white	1		n.d.	-	-	-	-			-		-
1	sealant		white	Overall %		n.d.	-			-		-	-		-
	Total %	100	5.000 B B			n.u.	_								
			Fiber Id	lentification:	none						<u> </u>	Defensitive 1	Index Dete	minatio	
	Fibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per		RI Per
1	none	ļ.													
2															
3															
5												_			
6					_										
	e Analytical Note														
Proc	edure: tweased apart us	ing force	os. Procedur	e: dissoluti	on of	matrix u	ising so	olvent.							
An: Hom	alyzed By RAM 9/23 ogeneous Yes n-Fibrous Component		An? # Layers 1		ppare As	nt Smp sbestos	Detec der,	Adhesi	ve/cau o			Rubbe		on: acce	ptable
140	Invoire											ercents of	Each Fiber		
	Layers								ed Visu		1			1	
#	Layers Layer Type	%	Color	Friability		Fib 1		Calibrat Fib 2	ed Visu	Fib 3	1	Fib 4	Fib 5		Fib 6
	Layer Type sealant	100	Color white	1		n.d.			ed Visu		1	Fib 4	Fib 5		Fib 6 -
#	Layer Type								ed Visu		1	Fib 4	Fib 5 -		Fib 6 - -
#	Layer Type sealant	100	white	1		n.d. n.d.			ed Visu		1	Fib 4	Fib 5 - -		Fib 6 -
#	Layer Type sealant Total %	100	white	1 Overall % dentification:	none	n.d. n.d.		Fib 2		Fib 3 - -		Fib 4 - - Refractive	- Index Dete	rminatio	- -
#	Layer Type sealant Total %	100	white	1 Overall %	\ \ \	n.d. n.d.	Pleo		Elg			Fib 4 -	-	rminatio	-
#	Layer Type sealant Total %	100	white	1 Overall % dentification:	none	n.d. n.d.		Fib 2		Fib 3 - -		Fib 4 - - Refractive	- Index Dete	rminatio	- -
# 1 1 2 3	Layer Type sealant Total %	100	white	1 Overall % dentification:	none	n.d. n.d.		Fib 2		Fib 3 - -		Fib 4 - - Refractive	- Index Dete	rminatio	- -
# 1 1 2 3 4	Layer Type sealant Total %	100	white	1 Overall % dentification:	none	n.d. n.d.		Fib 2		Fib 3 - -		Fib 4 - - Refractive	- Index Dete	rminatio	- -
# 1 2 3 4 5	Layer Type sealant Total %	100	white	1 Overall % dentification:	none	n.d. n.d.		Fib 2		Fib 3 - -		Fib 4 - - Refractive	- Index Dete	rminatio	- -
# 1 2 3 4 5 6	Layer Type sealant Total % Fibers	100	white	1 Overall % dentification:	none	n.d. n.d.		Fib 2		Fib 3 - -		Fib 4 - - Refractive	- Index Dete	rminatio	- -
# 1 1 1 2 3 4 5 6 Samp	Layer Type sealant Total % Fibers none	100	white Fiber Io	1 Overall % Jentification:	% none Mrph	n.d. n.d. Iso	Pleo	Fib 2 Bi		Fib 3 - -		Fib 4 - - Refractive	- Index Dete	rminatio	- -
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Phoenix, Arizona 85040-2816

-LM A	Analysis Details			Jo	b Nu	mber:		20190	9056	2	189JH2	269/1000	N Curiel	St	
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	ayers						(Calibrat	ed Visu	al Estima	ate of Pe	rcents of E	ach Fiber		
#	Layer Type	%	Color	Friability		Fib 1		Fib 2	1	Fib 3	1	ib 4	Fib 5	F	ib 6
1	sealant	100	tan	1	-	>1-2%			-			-	-		-
	Total %	100	curr	Overall %		>1-2%				-	-	-	-	-	
	Total 70	100									_			_	
			Fiber Id	entification:	chrys	otile asbes	tos	_				- for all of T	a day Data		
	Fibers		1	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per		RI Per
1	chrysotile as	bestos		W	A	N	N	L	+	P	1.550	db/ly	sb/o		1.553
2															
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4															
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	Analytical Note														
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Homo Non	Iyzed By RAM 9/23 ogeneous Yes I-Fibrous Components Layers		An? (# Layers 1 prox. decrea		As	nt Smp bestos ller, bin	Detec der,	ted? N	0		ate of Pa	Rubber			
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#	Layer Type	%	Color	Friability		Fib 1	_	Fib 2		Fib 3		Fib 4	Fib 5		FID 0
1	sealant	100	white	1		n.d.				<u>ы</u>		-	-	_	-
	Total %	100		Overall %	/o	n.d.		-				-	-		•
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	Fibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	-	RI Per
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1 2 3				Color	Mrph	Iso	Pleo	Bi	Elg	Ext		-	-	-	-
2				Color	Mrph	Iso	Pleo	Bi	Elg	Ext		-	-	-	-
2 3 4 5				Color	Mrph	Iso	Pleo	Bi	Elg	Ext		-	-	-	-
2 3 4 5 6	none			Color	Mrph	Iso	Pleo	Bi	Elg	Ext		-	-	-	-
2 3 4 5 6 Sample	none		ens. Procedur						Elg	Ext		-	-	-	-
2 3 4 5 6 Proce Sam Ana Home	none e Analytical Note edure: tweased apart usi ple C-M-10B6-6 ilyzed By RAM 9/23 ogeneous Yes n-Fibrous Components	ing force	Lab An? # Layers 1	e: dissolut Number OK A	ion of 2019- 2019- Aspare	matrix 0 09056- nt Smp sbestos	6 5 Detec der,	olvent. Sampl Adhesi ted? N	ed: 9/ ve/cau	18/2019 Ik		Rubbe	Col Per Condition	-	RI Per
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	y RAM 9/23 Js Yes	-	An? (# Layers 1	OK A	ppare As	nt Smp sbestos	Type Detec	Adhesi	ve/caul			Rubber		on: acce	ptable
Layers								Calibrat	ed Visu	al Estim	ate of Pe	rcents of E	ach Fiber		
# L	aver Type	%	Color	Friability	,	Fib 1		Fib 2		Fib 3	F	ib 4	Fib 5	1	ib 6
									-			-			-
1		-	white		/a								-		2
	rotar //	100	-											-	
			Fiber Id	entification:	none						<u> </u>			1	
Fibers			1	Color	Menh	Tro	Pleo	Bi	Fla	Evt				1	
1	none			COIOI	enpir	130	rico	0.	Lig	EAL	0				
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Homogeneou	us Yes		# Layers 1		Α.	sbestos	Detec der,	ted? N	0		ate of Pe				
						Pril. d	-		eu visu		1				ih 6
Sample C-M-1087-7 Lab Number 2019-09056-7 Sampled: 9/18/2019 Condition: acceptable Analyzed By RAM 9/23/2019 An7 OK Apparent Smp Type Adhesive/Caulik Rubbery Non-Fibrous Components (in approx. decreasing order): file seatent 1 Acbe State St															
1			white				_	-				-		_	-
	Total %	100		Overall 9	%	<=1%	_					-	-		-
			Fiber Id	lentification:	cellul	ose fiber									
Fibovo							_	_				-	-	-	-
		<u></u>				-					Oil	Col Par	Col Per	RI Par	RI Per
	cellulose	nber		VV		IN	19		T	0					
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					ion of	matrix u	icina ci	alvent							
Sample Analyti		ing force	ps. Procedur	e: dissolut			ising su	JIVCIIL.							
Sample Analyti Procedure: tw Sample C- Analyzed B Homogeneou Non-Fibrou	weased apart us M-10B9-9 My RAM 9/23 Mus Yes	3/2019	Lab An? (# Layers 1	OK A	Appare A	09056- ent Smp sbestos	9 Type Detec	Sampl Adhesi	ve/caul es	k	¥		s Solid	ion: acce	ptable
Sample C-M-1087-7 Analyzed By RAM Lab Number 2019-09056-7 Sampled: 9/18/2019 Condition: acceptable Rubbery Analyzed By RAM 9/23/2019 An? OK Apparent Smp Type Addition: acceptable Rubbery Non-Fibrous Components (in approx. decreasing order): filler, binder, Calibrated Visual Estimate of Percents of Each Fiber Fibe															
Sample Analyti Procedure: tw Sample C- Analyzed B Homogeneou Non-Fibrou Layers # L	Weased apart us M-10B9-9 WY RAM 9/23 WS Yes WIS Component Component Ager Type	3/2019 s (in ap %	Lab An? # Layers 1 prox. decrea Color	Number OK A asing orde	Appare A er): f	09056- ent Smp sbestos iller, bin Fib 1	9 Type Detec	Sampl Adhesi ted? Yo Calibrat Fib 2	ve/caul es	k al Estim Fib 3	ate of Pe	rcents of I	s Solid Each Fiber Fib 5		Fib 6
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Sample Analyti Procedure: tw Sample C- Analyzed B Homogeneou Non-Fibrou Layers # L 1 Fibers	veased apart us M-10B9-9 y RAM 9/23 us Yes is Component is Component sealant Total %	3/2019 s (in ap % 100	Lab An? (# Layers 1 prox. decrea Color tan	O Number OK A asing orde Friability 1 Overall o dentification: Color	Appare A: er): fr y w chrys Mrph	09056- ent Smp sbestos iller, bin Fib 1 >1-2% >1-2% sotile asbes	9 Type Detec der,	Sampl Adhesi ted? Yo Calibrat Fib 2 - - Bi	ed Visu	k Fib 3 - - Ext	ate of Pe	ercents of E	s Solid Fib 5 - - Condex Dete Col Per	rminatio RI Par	Fib 6 - - ns RI Per
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Sample Analyti Procedure: tw Sample C- Analyzed B Homogeneou Non-Fibrou Layers # L 1 1 Fibers 1 2 3 4	veased apart us M-10B9-9 y RAM 9/23 us Yes is Component is Component sealant Total %	3/2019 s (in ap % 100	Lab An? (# Layers 1 prox. decrea Color tan	O Number OK A asing orde Friability 1 Overall o dentification: Color	Appare A: er): fr y w chrys Mrph	09056- ent Smp sbestos iller, bin Fib 1 >1-2% >1-2% sotile asbes	9 Type Detec der,	Sampl Adhesi ted? Yo Calibrat Fib 2 - - Bi	ed Visu	k Fib 3 - - Ext	ate of Pe	ercents of E	s Solid Fib 5 - - Condex Dete Col Per	rminatio RI Par	Fib 6 - - ns RI Per
Sample Analyti Procedure: tw Sample C- Analyzed B Homogeneou Non-Fibrou Layers # L 1 1 Fibers 1 2 3 4 5	veased apart us M-10B9-9 y RAM 9/23 us Yes is Component is Component sealant Total %	3/2019 s (in ap % 100	Lab An? (# Layers 1 prox. decrea Color tan	O Number OK A asing orde Friability 1 Overall o dentification: Color	Appare A: er): fr y w chrys Mrph	09056- ent Smp sbestos iller, bin Fib 1 >1-2% >1-2% sotile asbes	9 Type Detec der,	Sampl Adhesi ted? Yo Calibrat Fib 2 - - Bi	ed Visu	k Fib 3 - - Ext	ate of Pe	ercents of E	s Solid Fib 5 - - Condex Dete Col Per	rminatio RI Par	Fib 6 - - ns RI Per
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Sample Analyti Procedure: tw Sample C- Analyzed B Homogeneou Non-Fibrou Layers # L 1 1 Fibers 1 2 3 4 5 6 Sample Analyti	veased apart us M-10B9-9 y RAM 9/23 us Yes Is Component Is Component Sealant Total %	8/2019 s (in ap % 100 100 sbestos	Lab An? (# Layers 1 prox. decrea Color tan Fiber lo	o Number OK A asing orde Friability 1 Overall o dentification: W	Appare A: er): fi y % chrys A	09056- ent Smp sbestos iller, bin >1-2% >1-2% sotile asbes N	9 Type Detec der,	Sampl Adhesi ted? Yo Calibrat Fib 2 - - - Bi L	ed Visu	k Fib 3 - - Ext	ate of Pe	ercents of E	s Solid Fib 5 - - Condex Dete Col Per	rminatio RI Par	Fib 6 - - ns RI Per

Phoenix, Arizona 85040-2816

Sample C-M-10B10-10 Analyzed By RAM 9/23 Homogeneous Yes			Jo	b Nur	mber:		20190	9056	23	189JH2	69/1000	N Curiel S	St	
Non-Fibrous Components		An? 0 # Layers 1		pparer As	nt Smp bestos	Type Detect	Adhesiv	/e/caul	18/2019 k		Fibrous	Condition Solid	on: acce	otable
Layers							alibrate	ed Visu	al Estima	te of Pe	cents of E	ach Fiber		
	04	Calar	Friability		Fib 1		Fib 2		Fib 3	1	ib 4	Fib 5	F	ib 6
# Layer Type	%	Color					-	_	-		-	-		
1 sealant	100	tan	1		>1-2%				_	_		-		-
Total %	100	ļ	Overall %	6	>1-2%		-		-		-	-		-
		Fiber Id	entification:	chryso	otile asbest	tos							-	_
		ā			_							ndex Deter		
Fibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per		RI Per 1.553
1 chrysotile a:	sbestos		W	A	N	N	L	+	Р	1.550	db/ly	sb/o	1.501	1.555
3														
4														
5														
6														
ample Analytical Note														
Procedure: tweased apart us	ing force	ps. Procedure	e: dissolut	ion of r	natrix u	ising so	lvent.							
Homogeneous Yes Non-Fibrous Component Layers		# Layers 1 prox. decrea	asing orde		bestos ler, bin	der,			al Estima	ate of Pe	rcents of E	ach Fiber		
# Layer Type	%	Color	Friability	,	Fib 1	1	Fib 2		Fib 3	F	ib 4	Fib 5		ib 6
		1			n.d.	-		_				-	-	-
1 sealant	100	white	1			_		-		_				-
Total %	100		Overall 9	/o	n.d.	_	-		-		-			
		Fiber Id	lentification:	none		_								
Tile and					1.11						-	Index Deter		
Fibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1 none	2													
3														
4														
5														
6														
6 Gample Analytical Note														
6	ing force	eps. Procedur	re: dissolut	ion of i	matrix ι	using so	olvent.							
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component	3/2019	Lab An? # Layers 1	OK A	2019- Appare As	09056- nt Smp sbestos	12 Type Detec nder,	Sampl Adhesi ted? N	ve/cau o			Rubbe		on: acce	ptable
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes	3/2019	Lab An? # Layers 1	OK A	2019- Appare As	09056- nt Smp sbestos	12 Type Detec nder,	Sampl Adhesi ted? N Calibrat	ve/cau o	lk Ial Estim	ate of Pe	rcents of I	ry Each Fiber		
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component	3/2019	Lab An? # Layers 1	OK A	2019- Appare As er): fi	09056- nt Smp sbestos	12 Type Detec nder,	Sampl Adhesi ted? N	ve/cau o	lk	ate of Pe		ry		ptable Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers	3/2019 : s (in ap	Lab An? # Layers 1 oprox. decrea	Number OK A asing ord	2019- Appare As er): fi	09056- nt Smp sbestos Iler, bin	12 Type Detec nder,	Sampl Adhesi ted? N Calibrat	ve/cau o	lk Ial Estim	ate of Pe	rcents of I	ry Each Fiber		
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers # Layer Type	3/2019 :s (in ap %	Lab An? # Layers 1 oprox. decrea	Number OK A asing ord Friability	2019- Appare As er): fi	09056- nt Smp sbestos Iler, bin Fib 1	12 Type Detec nder,	Sampl Adhesi ted? N Calibrat Fib 2	ve/cau o	ial Estim Fib 3	ate of Pe	rcents of I	ry Each Fiber Fib 5		Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers 1 sealant	3/2019 .s (in ap %	Lab An? # Layers 1 pprox. decrea Color white	Number OK A asing orde Friability	2019- Appare As er): fi	09056- nt Smp sbestos Iler, bin Fib 1 n.d. n.d.	12 Type Detec nder,	Sampl Adhesi ted? N Calibrat Fib 2	ve/cau o	lk nal Estim Fib 3	ate of Pe	rcents of I Fib 4	ry Each Fiber Fib 5		Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers # Layer Type 1 sealant	3/2019 .s (in ap %	Lab An? # Layers 1 pprox. decrea Color white	OK A ok A asing orde Friability 1 Overall 9	2019- Appare As er): fi	09056- nt Smp sbestos Iler, bin Fib 1 n.d. n.d.	12 Type Detec nder,	Sampl Adhesi ted? N Calibrat Fib 2	ve/cau o	lk nal Estim Fib 3	ate of Pe	rcents of I Fib 4	ry Each Fiber Fib 5		Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers # Layer Type 1 sealant	3/2019 .s (in ap %	Lab An? # Layers 1 pprox. decrea Color white	OK A ok A asing orde Friability 1 Overall 9	2019- Appare As er): fi	09056- nt Smp sbestos ller, bin Fib 1 n.d. n.d.	12 Type Detec nder,	Sampl Adhesi ted? N Calibrat Fib 2	ve/cau o	lk nal Estim Fib 3	ate of Pe	rcents of I Fib 4	Tý Each Fiber Fib 5 - - Index Dete	rminatio	Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers # Layer Type 1 sealant Total % Fibers 1 non	3/2019 55 (in ap % 100 100	Lab An? # Layers 1 pprox. decrea Color white	Number OK A asing orde Friability 0verall of dentification:	2019- Appare As er): fi //	09056- nt Smp sbestos ller, bin Fib 1 n.d. n.d.	12 5 Type 5 Detection der,	Sampl Adhesi ted? N Calibrat Fib 2 -	ve/cau o	lk Fib 3 - -	ate of Pe	rcents of I 	Tý Each Fiber Fib 5 - - Index Dete	rminatio	Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers # Layer Type 1 sealant Total % Fibers 1 non	3/2019 55 (in ap % 100 100	Lab An? # Layers 1 pprox. decrea Color white	Number OK A asing orde Friability 0verall of dentification:	2019- Appare As er): fi //	09056- nt Smp sbestos ller, bin Fib 1 n.d. n.d.	12 5 Type 5 Detection der,	Sampl Adhesi ted? N Calibrat Fib 2 -	ve/cau o	lk Fib 3 - -	ate of Pe	rcents of I 	Tý Each Fiber Fib 5 - - Index Dete	rminatio	Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers # # Layer Type 1 sealant Total % Fibers 1 non 3 1	3/2019 55 (in ap % 100 100	Lab An? # Layers 1 pprox. decrea Color white	Number OK A asing orde Friability 0verall of dentification:	2019- Appare As er): fi //	09056- nt Smp sbestos ller, bin Fib 1 n.d. n.d.	12 5 Type 5 Detection der,	Sampl Adhesi ted? N Calibrat Fib 2 -	ve/cau o	lk Fib 3 - -	ate of Pe	rcents of I 	Tý Each Fiber Fib 5 - - Index Dete	rminatio	Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers * # Layer Type 1 sealant Total % * 1 non 2 non 3 4	3/2019 55 (in ap % 100 100	Lab An? # Layers 1 pprox. decrea Color white	Number OK A asing orde Friability 0verall of dentification:	2019- Appare As er): fi //	09056- nt Smp sbestos ller, bin Fib 1 n.d. n.d.	12 5 Type 5 Detection der,	Sampl Adhesi ted? N Calibrat Fib 2 -	ve/cau o	lk Fib 3 - -	ate of Pe	rcents of I 	Tý Each Fiber Fib 5 - - Index Dete	rminatio	Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers # Layer Type 1 sealant Total % Fibers 1 non 2 3 4 5	3/2019 55 (in ap % 100 100	Lab An? # Layers 1 pprox. decrea Color white	Number OK A asing orde Friability 0verall of dentification:	2019- Appare As er): fi //	09056- nt Smp sbestos ller, bin Fib 1 n.d. n.d.	12 5 Type 5 Detection der,	Sampl Adhesi ted? N Calibrat Fib 2 -	ve/cau o	lk Fib 3 - -	ate of Pe	rcents of I 	Tý Each Fiber Fib 5 - - Index Dete	rminatio	Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers # Layer Type 1 sealant Total % Fibers 1 non 2 3 4 5 6	3/2019 55 (in ap % 100 100	Lab An? # Layers 1 pprox. decrea Color white	Number OK A asing orde Friability 0verall of dentification:	2019- Appare As er): fi //	09056- nt Smp sbestos ller, bin Fib 1 n.d. n.d.	12 5 Type 5 Detection der,	Sampl Adhesi ted? N Calibrat Fib 2 -	ve/cau o	lk Fib 3 - -	ate of Pe	rcents of I 	Tý Each Fiber Fib 5 - - Index Dete	rminatio	Fib 6
6 Sample Analytical Note Procedure: tweased apart us Sample C-M-10B12-12 Analyzed By RAM 9/2 Homogeneous Yes Non-Fibrous Component Layers # Layer Type 1 sealant Total % Fibers 1 non 2 3 4 5	3/2019 :s (in ap % 100 100 e	Lab An? # Layers 1 pprox. decrea Color white	OK A asing orde Friability Overall C dentification:	2019- Appare As er): fi // // // // // // // // // /	09056- nt Smp sbestos ller, bin n.d. n.d. Iso	12 Type Detec ider, Pleo	Sampl Adhesi ted? N Calibrat Fib 2 - - - Bi	ve/cau o	lk Fib 3 - -	ate of Pe	rcents of I 	Tý Each Fiber Fib 5 - - Index Dete	rminatio	Fib 6

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LM A	nalysis Details			Jo	b Nu	mber:		20190	9056	2	189JH2	269/1000	N Curiel	St	
Anal Homo	vie C-M-10B13-13 yzed By RAM 9/23 geneous Yes -Fibrous Components		An? (# Layers 1		ppare As	ent Smp sbestos	Type Detec	Adhesi	ve/caul	18/2019 k	ŝ	Rubber		on: acce	ptable
L	ayers							Calibrat	ed Visu	al Estim	ate of Pe	ercents of E	ach Fiber		
#	Layer Type	%	Color	Friability	, [Fib 1		Fib 2		Fib 3		Fib 4	Fib 5	1	Fib 6
1	sealant	100	white	1		n.d.		-	1	-		-	8		-
*	Total %	100		Overall %	/0	n.d.	-	-		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		-	-		-
	Total 75	100					-				-			-	
			Fiber Id	entification:	none)		-			<u> </u>	Refractive 1	nday Data	minatio	
1	Fibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	-	RI Per
1	none			Color	· · · p···										
2															
3															
4 5						-									
6								1							
Sample	Analytical Note														
	dure: tweased apart us	ng force	eps. Procedur	e: dissolut	ion of	matrix	using s	olvent.							
Homo Non	yzed By RAM 9/23 geneous Yes -Fibrous Components ayers		An? (# Layers 1 prox. decrea		A	sbestos iller, bir	der,	ted? N	0		ato of P	Rubber			
									ed visu						Fib 6
#	Layer Type	%	Color	Friability		Fib 1		Fib 2		Fib 3		Fib 4	Fib 5		FID 6
1	sealant	100	white	1		n.d.		-		-		-	-		-
	Total %	100		Overall 9	%	n.d.				-		-	-		-
			Fiber Id	entification:	none	9									
												Defus shires			
	Eth									_			Index Dete		-
-	Fibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Index Dete Col Per		ns RI Per
1	Fibers none			Color	Mrph	Iso	Pleo	Bi	Elg	Ext			-		-
-				Color	Mrph	Iso	Pleo	Bi	Elg	Ext			-		-
1 2				Color	Mrph	Iso	Pleo	Bi	Elg	Ext			-		-
1 2 3 4 5				Color	Mrph	Iso	Pleo	Bi	Elg	Ext			-		-
1 2 3 4 5 6	none			Color	Mrph	Iso	Pleo	Bi	Elg	Ext			-		-
1 2 3 4 5 6 Sample	none		eps. Procedur						Elg	Ext			-		-
1 2 3 4 5 6 Sample Proce Sample Non	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 ogeneous Yes -Fibrous Components	ing force 8/2019	Lab An? # Layers 1	e: dissolut Number OK A	tion of 2019 Appare	matrix -09056- ent Smp sbestos	using s 15 5 Type 5 Deter	olvent. Sampl Adhesi cted? N	ed: 9/ ve/cau o	/18/2019 Ik		Rubbe	Col Per Condit		RI Per
1 2 3 4 5 6 Proce Sample Proce Samp Anal Homo Non	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 ogeneous Yes -Fibrous Components ayers	ing force 3/2019 s (in ap	Lab An? # Layers 1 prox. decrea	e: dissolut Number OK A asing orde	cion of 2019 Appare A er): f	matrix -09056- ent Smj sbestos iller, bir	using s 15 5 Type 5 Deter	olvent. Sampl Adhesi cted? N Calibrat	ed: 9/ ve/cau o	/18/2019 lk	Oil ate of P	Col Par Rubbe	Col Per Condit	RI Par	RI Per
1 2 3 4 5 6 Sample Proce Sample Non	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 ogeneous Yes -Fibrous Components	ing force 8/2019	Lab An? # Layers 1	e: dissolut Number OK A	cion of 2019 Appare A er): f	matrix -09056- ent Smp sbestos	using s 15 5 Type 5 Deter	olvent. Sampl Adhesi cted? N	ed: 9/ ve/cau o	/18/2019 Ik	Oil ate of P	Rubbe	Col Per Condit	RI Par	RI Per
1 2 3 4 5 6 Proce Sample Proce Samp Anal Homo Non	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 ogeneous Yes -Fibrous Components ayers	ing force 3/2019 s (in ap	Lab An? # Layers 1 prox. decrea	e: dissolut Number OK A asing orde	cion of 2019 Appare A er): f	matrix -09056- ent Smj sbestos iller, bir	using s 15 5 Type 5 Deter	olvent. Sampl Adhesi cted? N Calibrat	ed: 9/ ve/cau o	/18/2019 lk	Oil ate of P	Col Par Rubbe	Col Per Condit	RI Par	RI Per
1 2 3 4 5 6 Sample Proce Sample Non L #	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 ogeneous Yes -Fibrous Components ayers Layer Type	ing force 3/2019 s (in ap %	Lab An? # Layers 1 prox. decrea	e: dissolut Number OK A asing orde	ion of 2019 Appare A er): f	matrix -09056- ent Smj sbestos filler, bir Fib 1	using s 15 5 Type 5 Deter	olvent. Sampl Adhesi Cted? N Calibrat Fib 2	ed: 9/ ve/cau o	/18/2019 lk Fib 3	Oil ate of P	Rubbe	Condit Condit	RI Par	RI Per
1 2 3 4 5 6 Proce Proce Samp Ana Homo Non	none a Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 ogeneous Yes -Fibrous Components ayers Layer Type sealant	ing force 3/2019 s (in ap %	Lab An? # Layers 1 prox. decrea Color white	e: dissolut Number OK A asing orde Friability	ion of 2019 Appare A er): f	matrix -09056- ent Smj sbestos filler, bir Fib 1 n.d. n.d.	using s 15 5 Type 5 Deter	olvent. Sampl Adhesi ted? N Calibrat Fib 2	ed: 9/ ve/cau o	/18/2019 lk Fib 3	Oil ate of P	Rubbe	Condition Fiber	RI Par	RI Per
1 2 3 4 5 6 Sample Proce Samp Homo Non L # 1	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 pgeneous Yes -Fibrous Components ayers Layer Type sealant Total %	ing force 3/2019 s (in ap %	Lab An? # Layers 1 prox. decrea Color white	e: dissolut Number OK A asing orde Friability 1 Overall 9	cion of 2019 2019 Appare A er): f	matrix -09056- ent Smj sbestos filler, bir Fib 1 n.d. n.d.	using s 15 5 Type 5 Deter	olvent. Sampl Adhesi ted? N Calibrat Fib 2	ed: 9/ ve/cau o	/18/2019 lk Fib 3	ate of P	Rubbe	Col Per Condit	RI Par	RI Per
1 2 3 4 5 6 Sample Proce- Sample Non L # 1	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 ogeneous Yes -Fibrous Component: .ayers Layer Type sealant Total % Fibers	ing force 8/2019 s (in ap % 100	Lab An? # Layers 1 prox. decrea Color white	e: dissolut Number OK A asing orde Friability 1 Overall 9	cion of 2019 2019 Appare A er): f	matrix -09056- ent Smj sbestos filler, bir Fib 1 n.d. n.d. 8	using s 15 5 Type 5 Deter	olvent. Sampl Adhesi ted? N Calibrat Fib 2	ed: 9/ ve/cau o	/18/2019 lk Fib 3	ate of P	Col Par Col Par Rubbe Fib 4 - <td>Col Per Condit</td> <td>RI Par</td> <td>RI Per</td>	Col Per Condit	RI Par	RI Per
1 2 3 4 5 6 Sample Proce Samp Homo Non L # 1	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 pgeneous Yes -Fibrous Components ayers Layer Type sealant Total %	ing force 8/2019 s (in ap % 100	Lab An? # Layers 1 prox. decrea Color white	e: dissolut Number OK A asing orde Friability 1 Overall 9 lentification:	cion of 2019 Appare Arr): f	matrix -09056- ent Smj sbestos filler, bir Fib 1 n.d. n.d. 8	using s 15 5 Type 5 Detender,	olvent. Sampl Adhesi cted? N Calibrat Fib 2	ed: 9/ ve/cau o	/18/2019 lk Fib 3 -	ate of P	Col Par Col Par Rubbe Rubbe Fib 4 - Refractive 3	Condition Fiber Fib 5 	RI Par	RI Per
1 2 3 4 5 6 Proce Sample Proce Non L # 1	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 ogeneous Yes -Fibrous Component: .ayers Layer Type sealant Total % Fibers	ing force 8/2019 s (in ap % 100	Lab An? # Layers 1 prox. decrea Color white	e: dissolut Number OK A asing orde Friability 1 Overall 9 lentification:	cion of 2019 Appare Arr): f	matrix -09056- ent Smj sbestos filler, bir Fib 1 n.d. n.d. 8	using s 15 5 Type 5 Detender,	olvent. Sampl Adhesi cted? N Calibrat Fib 2	ed: 9/ ve/cau o	/18/2019 lk Fib 3 -	ate of P	Col Par Col Par Rubbe Rubbe Fib 4 - Refractive 3	Condition Fiber Fib 5 	RI Par	RI Per
1 2 3 4 5 6 Sample Proce Samp Homo Non L # 1 2	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 ogeneous Yes -Fibrous Component: .ayers Layer Type sealant Total % Fibers	ing force 8/2019 s (in ap % 100	Lab An? # Layers 1 prox. decrea Color white	e: dissolut Number OK A asing orde Friability 1 Overall 9 lentification:	cion of 2019 Appare Arr): f	matrix -09056- ent Smj sbestos filler, bir Fib 1 n.d. n.d. 8	using s 15 5 Type 5 Detender,	olvent. Sampl Adhesi cted? N Calibrat Fib 2	ed: 9/ ve/cau o	/18/2019 lk Fib 3 -	ate of P	Col Par Col Par Rubbe Rubbe Fib 4 - Refractive 3	Condition Fiber Fib 5 	RI Par	RI Per
1 2 3 4 5 6 Proce- Sample Proce- Non L # 1 1 2 3 4 5	none Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 ogeneous Yes -Fibrous Component: .ayers Layer Type sealant Total % Fibers	ing force 8/2019 s (in ap % 100	Lab An? # Layers 1 prox. decrea Color white	e: dissolut Number OK A asing orde Friability 1 Overall 9 lentification:	cion of 2019 Appare Arr): f	matrix -09056- ent Smj sbestos filler, bir Fib 1 n.d. n.d. 8	using s 15 5 Type 5 Detender,	olvent. Sampl Adhesi cted? N Calibrat Fib 2	ed: 9/ ve/cau o	/18/2019 lk Fib 3 -	ate of P	Col Par Col Par Rubbe Rubbe Fib 4 - Refractive 3	Condition Fiber Fib 5 	RI Par	RI Per
1 2 3 4 5 6 Proce Sample Proce Non L # 1 1 2 3 4 5 6	none a Analytical Note dure: tweased apart us ple C-M-10B15-15 lyzed By RAM 9/23 geneous Yes -Fibrous Component: .ayers Layer Type sealant Total % Fibers none	ing force 8/2019 s (in ap % 100	Lab An? # Layers 1 prox. decrea Color white	e: dissolut Number OK A asing orde Friability 1 Overall 9 lentification:	cion of 2019 Appare Arr): f	matrix -09056- ent Smj sbestos filler, bir Fib 1 n.d. n.d. 8	using s 15 5 Type 5 Detender,	olvent. Sampl Adhesi cted? N Calibrat Fib 2	ed: 9/ ve/cau o	/18/2019 lk Fib 3 -	ate of P	Col Par Col Par Rubbe Rubbe Fib 4 - Refractive 3	Condition Fiber Fib 5 	RI Par	RI Per
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Sample C-M-10816-16 Lab Number 2019 00056-16 Sampled: 9/18/2019 Condition: acceptable Rubbery Analyzed by RAH 9/2/2019 An? CK Apparent Smp Type Adhesive/Zaulik Rubbery Non-Fibrous Components (in approx. decreasing order): fibs3 Fibs3 Fibs4 Fibs5 Fibs6 # Layer Type % Color Frishilts Fibs2 Fibs3 Fibs4 Fibs5 Fibs6 * Layer Type % Color Frishilts Fibs2 Fibs3 Fibs4 Fibs5 Fibs6 Fibs6 * Layer Type % Color Mrph fibs2 Fibs3 Fibs4 Fibs7 Fibs6 * Layer Type % Color Mrph fibs2 Fibs3 Fibs6		sis Details			Jo	b Nur	mber:		20190	9056	21	.89JH2	69/1000	N Curiel S	st	
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1 sealant 100 write 1 n.d. -	#	Layer Type	%	Color	Friability		Fib 1		Fib 2		Fib 3	-	ib 4	Fib 5		
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3	6 Sample Anal Procedure: Sample Analyzed Homogene Non-Fibr Layers # 1 5	C-M-10B18-18 d By RAM 9/2 eous Yes rous Component s Layer Type sealant Total %	3/2019 ts (in app % 100	Lab An? # Layers 1 prox. decre Color white	ONumber OK A asing orde Friability 1 Overall 9 dentification:	2019- Aspare As er): fi () () () () () () () () () ()	09056- ent Smp sbestos iller, bin Fib 1 n.d. n.d.	18 Dype Detec der,	Sampl Adhesi ted? N Calibrat Fib 2 - -	ve/cau o	ik Fib 3 - -		Fib 4	TY Each Fiber Fib 5 - - Index Deter	rminatio	Fib 6
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Sample Analytical Note	6 Sample Anal Procedure: Sample Analyzed Homogene Non-Fibr Layers # 1 5	C-M-10B18-18 d By RAM 9/2 eous Yes rous Component s Layer Type sealant Total %	3/2019 ts (in app % 100	Lab An? # Layers 1 prox. decre Color white	ONumber OK A asing orde Friability 1 Overall 9 dentification:	2019- Aspare As er): fi () () () () () () () () () ()	09056- ent Smp sbestos iller, bin Fib 1 n.d. n.d.	18 Dype Detec der,	Sampl Adhesi ted? N Calibrat Fib 2 - -	ve/cau o	ik Fib 3 - -		Fib 4	TY Each Fiber Fib 5 - - Index Deter	rminatio	Fib 6
Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.	6 Sample Anal Procedure: Sample Analyzed Homogene Non-Fibr Layers # 1 5 5 6 5 6 5	C-M-10B18-18 By RAM 9/2 eous Yes rous Component s Layer Type sealant Total %	3/2019 ts (in app % 100 100 e	Lab An? # Layers 1 prox. decre Color white	OK A asing orde Friability 1 Overall 9 dentification:	2019- Appare Aser): fi / / / / / / / / / / / / / / /	09056- ent Smp sbestos iller, bin rib 1 n.d. n.d. Iso	18 Type Detec der, Pleo Pleo	Sampl Adhesi ted? N Calibrat Fib 2 - - Bi	ve/cau o	ik Fib 3 - -		Fib 4	TY Each Fiber Fib 5 - - Index Deter	rminatio	Fib 6

et Phoenix, Arizona 85040-2816

Phone: 602-276-6139

PLM Ar	nalysis Details			J	ob Nu	mber:	1	20190	9056	2	189JH2	269/1000	N Curiel	St	
	e C-M-10B19-19 zed By RAM 9/23	/2019	Lab An?	Number OK A				Sample Adhesi		'18/2019 lk		Rubbe		ion: acce	ptable
	jeneous Yes		# Layers 1					ted? No	C						
Non-I	Fibrous Components	s (in app	prox. decrea	asing ord	er): fil	ler, bin	ider,								
La	yers							Calibrat	ed Visu	al Estima	te of Pe	rcents of l	Each Fiber		
#	Layer Type	%	Color	Friabilit	у 🗌	Fib 1		Fib 2		Fib 3	1	Fib 4	Fib 5		Fib 6
1	sealant	100	white	1		n.d.		-		- 1		-	-		-
	Total %	100		Overall	%	n.d.		-		-		-	-		ă.
			Fiber Id	dentification:	none		1								
											F	Refractive	Index Dete	rminatio	ns
Fi	ibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	none														
2															
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Sample /	Analytical Note														
	C-M-10B20-20 /zed By RAM 9/23	3/2019	An?		Appare	nt Smj	о Туре	Adhesi	ve/cau	/18/2019 lk		Rubbe		ion: acce	ptable
-	jeneous Yes		# Layers 1					ted? No	0						
Non-	Fibrous Components	s (in ap	prox. decre	asing ord	er): fi	ller, bir	nder,								
La	iyers						5	Calibrat	ed Visu	al Estima	ate of Pe	ercents of	Each Fiber		
#	Layer Type	%	Color	Friabilit	y	Fib 1		Fib 2		Fib 3		Fib 4	Fib 5		Fib 6
1	sealant	100	white	1		n.d.		-		-		4	-		-
	Total %	100		Overall	%	n.d.				-		-	-		
			Fiber lo	dentification:	none		-								
			1.001		1.0.10							Refractive	Index Dete	rminatio	ns
F	ibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par			RI Per
1	none	3													
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	• • • • • • • • • • • • • • • • • • •					1									
Sample	Analytical Note														

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Fr=Friability: 1=very non-friable; 2= non-friable; 3=friable; 4=highly friable Colors: B=black;BL=blue;BR=brown;CL=clear;G=Green;GY=gray;OR=orange;OW=off-white;PN=pink;PU=purple;R=red;TN=tan;W=white;Y=yellow;V=various Fiber Morphology: A=fine fibers/bundles, white, sinewy, flexible; B=fine fibers/bundles, w-br, straight, broomed ends; C=fine fibers/bundles, blue, straight, broomed ends; D=fine to coarse fibers, CL-B, brittle; E=coarse fibers,CL or dyed, straited; F=coarse fibers or splinters, W-BR, ribbon-like; G=lath-like or shards, low aspect ratio, may taper Iso=isotropism - may be yes or no; Pleo=pleochroism - may be yes or no; Bi=birefringence - may be None, Low, Medium or High Elg=sign of elongation - may be +, - or B (both); Ext=extinction - may be Parallel, Oblique, None or Undulating; Oil=medium used to for dispersion staining Col Par=dispersion staining colors parallel to the fiber (fiber/halo): b/w=black/white; dg/py=dark gray/pale yellow; vg/y=violet gray/yellow; db/ly=dark blue/lemon yellow; vb/g= vivid blue/gold; sb/o=sky blue/orange; pb/r=pale blue/red; gb/dr=gray blue/dark red; w/b=white/black. Col Perp=same only perpendicular to fiber. RI Par=refractive index parallel to fiber; RI Perp=refractive index perpendicular to fiber

-.A m'l./

Analyst: ROBERT A. McCORMICK

Printed: 23-Sep-19 Original Print Date: 23-Sep-19

Larry S. Piero Approved Accreditation Signatory



EPA rule. Fiberquant not only reports the asbestos content of each layer of multi-layered samples separately (satisfying current EPA and NVLAP reporting requirements), but Fiberquant also reports what percentage of the sample each layer comprises. Therefore, the results may be arithmetically composited to satisfy the reporting requirements of the Interim Method. The method of fiber quantitation is an estimation technique in which the analysts quantitation is routinely calibrated by reference quantitation standards, and which has been shown to be equivalent in precision and accuracy to point counting. Friability is estimated for the purposes of deciding when to point count. Friabilities determined in the field take precedence over those determined in the laboratory. Those sample layers which are friable and estimated by the analyst to contain <= 1% asbestos are point counted using 400 points. Such point counting is required by NESHAP (National Emission Standards for Hazardous Air Polutants, Nov. 1990) in order to rely on analytical results that are $\leq 1\%$. The coefficient of variation for the estimation quantitation technique is 100% in the range 0-5%. This means that PLM analysis is not capable of conclusively determining whether a layer containing close to 1% asbestos is actually "positive" or "negative". For this reason, Fiberquant refers to results where asbestos was detected but $\leq 1\%$ as "borderline negative", and results where asbestos was >1 % but <= 2% as "borderline positive" to indicate the uncertainty in assigning a "positive" or "negative" label. In the sample summary, "ND" means that no asbestos fibers during the analysis, this level would be right at the limit of detection for the method. Trace is only reported on the analysis detail - in the summary a trace would be reported as <=1%. The limit of detection (the smallest % of asbestos that can be detected) varies greatly depending on the matrix in which the asbestos is found. As little as 0.001% asbestos can be detected in favorable samples, wh

Floor tiles present a special problem for PLM asbestos analysis. Floor tile can contain chrysotile fibers so thin that they cannot be resolved by optical methods. In such a case, we may observe a percentage of asbestos which is lower than the actual percentage, or not observe asbestos at all when some is present. For this reason, floor tiles reported as negative should be confirmed to be negative using transmission electron microscope (TEM) analysis. Likewise, vermiculite insulation materials containing traces of asbestiform asbestos present a problem for routine PLM analysis - the amphiboles are sometimes present in trace amounts inhomogeneously distributed. For this reason, loose vermiculite samples reported as negative should be confirmed to contain no amphibole using hydroseparation techniques.

The samples were analyzed under the following ongoing quality assurance program: Blank samples are routinely analyzed to maintain contaminationfree materials. Each analyst has at least a bachelor's degree in physical science, and has also completed extensive training specific to asbestos analysis for 1-3 months before being allowed to analyze client samples. Qualitative reference samples are routinely analyzed to assure that analysts

5025 S. 33rd Street

Fiberquant, Inc.

can identify asbestos and asbestos-look-alike fibers. Quantitative reference samples are routinely analyzed to calibrate and characterize the estimation procedure. Microscope alignment is checked each day. Refractive index oils are calibrated at least quarterly. At least 10% of client samples are re-analyzed from scratch by a different analyst than the original, and any discrepancies are resolved for the sample and similar sample types before the results are reported. All quality checks performed for these samples were in control except as detailed in the "Analytical Notes" below. All analysts participate in interlab round robins and proficiency testing to assure competence. Fiberquant is accredited by NVLAP (Lab code #101031) for the analysis of bulk samples for asbestos using PLM. Accreditation does not imply endorsement by the EPA, any other United States governmental agency or any private agency or association. Each lab analysis refers only to the sample tested, and may not, due to the sampling process, be representative of the material sampled. This report may not be reproduced except in full, without the approval of Fiberquant Analytical Services.

Some results may have been calculated using client supplied data, such as volume or area sampled, for which Fiberquant assumes no liability for accuracy.

Job Analysis Notes:

Single layer sample analysis as per client request. Any material or layer other than that indicated on the chain of custody was not analyzed, even if a suspect material.

C-M-10A10-10 sample bag was empty, proceed without per client.

PLM Analysis Summary:		Job Numbe	er: 201909055	2188JH269 /1000 N Curiel St
Samplé Number Layer Color	Apparent Layer Ty		Apparent Sample Type * os Results	Asbestos Detected Yes or No
Sample # <u>C-M-10A1-1</u> Layer # 1 brown	expansion joint	2019-09055- 1 no asbes	Miscellaneous tos detected	Asbestos Detected? No
Sample # <u>C-M-10A2-2</u> Layer # 1 brown	expansion joint	2019-09055- 2 no asbes	Miscellaneous tos detected	Asbestos Detected? No
Sample # <u>C-M-10A3-3</u> Layer # 1 brown	expansion joint	2019-09055- 3 no asbes	Miscellaneous tos detected	Asbestos Detected? No
Sample # <u>C-M-10A4-4</u> Layer # 1 brown	expansion joint	2019-09055- 4 no asbes	Miscellaneous	Asbestos Detected? No
Sample # <u>C-M-10A5-5</u> Layer # 1 brown	expansion joint	2019-09055- 5 no asbes	Miscellaneous	Asbestos Detected? No
Sample # <u>C-M-10A6-6</u> Layer # 1 brown	expansion joint	2019-09055-6	Miscellaneous tos detected	Asbestos Detected? No
Sample # <u>C-M-10A7-7</u> Layer # 1 brown	expansion joint	2019-09055-7	Miscellaneous stos detected	Asbestos Detected? No
Sample # <u>C-M-10A8-8</u> Layer # 1 brown	expansion joint	2019-09055- 8	Miscellaneous stos detected	Asbestos Detected? No
Sample # <u>C-M-10A9-9</u> Layer # 1 brown	expansion joint	2019-09055- 9	Miscellaneous	Asbestos Detected? No
Sample # <u>C-M-10A10-10</u>	expansion joint	2019-09055- 10	Not Analyzed	
Sample # <u>C-M-10A11-11</u> Layer # 1 tan	expansion joint	2019-09055- 11 no asbes	Miscellaneous	Asbestos Detected? No
Sample # <u>C-M-10A12-12</u> Layer # 1 tan	expansion joint	2019-09055- 12	Miscellaneous stos detected	Asbestos Detected? No
Sample # <u>C-M-10A13-13</u> Layer # 1 tan	expansion joint	2019-09055-13	Miscellaneous stos detected	Asbestos Detected? No
Sample # <u>C-M-10A14-14</u> Layer # 1 tan	expansion joint	2019-09055-14	Miscellaneous stos detected	Asbestos Detected? No
Sample # <u>C-M-10A15-15</u> Layer # 1 off-white	foam	2019-09055-15	Miscellaneous stos detected	Asbestos Detected? No
Sample # <u>C-M-10A16-16</u> Layer # 1 tan	expansion joint	2019-09055-16	Miscellaneous stos detected	Asbestos Detected? No
Sample # <u>C-M-10A17-17</u> Layer # 1 off-white	foam	2019-09055- 17	Miscellaneous stos detected	Asbestos Detected? No
Sample # <u>C-M-10A18-18</u> Layer # 1 tan	expansion joint	2019-09055-18	Miscellaneous stos detected	Asbestos Detected? No
Sample # <u>C-M-10A19-19</u> Layer # 1 white	sealant	2019-09055- 19	Adhesive/caulk stos detected	Asbestos Detected? No
Sample # <u>C-M-10A20-20</u> Layer # 1 white	sealant	2019-09055- 20	Adhesive/caulk stos detected	Asbestos Detected? No

* Apparent Sample Types and Apparent Layer Types are as they appeared to the analyst. Since many types of materials appear similar after sampling damage, the apparent type of material may not be the actual type of material.

5025 S. 33rd Street

Phone: 602-276-6139

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cellulose cellulose cellulose cellulose cocedure: tweased apart us cocedure	fiber ing force i/2019 is (in app % 100 100	ps. Lab # Layers 1 prox. decre Color brown	A sing ord Friability Overall Overall	cell Mrph F 2019 2019 Appar A	Ilose fiber Iso N -09055- ent Smj sbestos filler, bin 90-100% 90-100% ulose fiber 1 Iso	6 5 DType 5 Detec der,	Bi H Sampl Miscell ted? N Calibrat Fib 2 - - Bi	+ ed: 9/ aneous o ted Visu i Elg	Ext U /18/2019	ate of Pe	Fibrous	Conditions Mat	RI Par	Fib 6
cellulose cellulose cellulose cellulose cellulose cellulose cocedure: tweased apart us ample C-M-10A6-6 Analyzed By RAM 9/23 omogeneous Yes Non-Fibrous Components Layers # Layer Type 1 expansion joint Total %	fiber ing force i/2019 is (in app % 100 100	ps. Lab # Layers 1 prox. decre Color brown	A sing ord Friability Overall Overall	cell Mrph F 2019 2019 Appar A	Jose fiber Iso N -09055- ent Smj sbestos filler, bin 90-100% 90-100% ulose fiber 1 Iso	6 5 DType 5 Detec der,	Bi H Sampl Miscell ted? N Calibrat Fib 2 - - Bi	+ ed: 9/ aneous o ted Visu i Elg	Ext U /18/2019	ate of Pe	Fibrous	Conditions Mat	RI Par	Fib 6

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Image: sector Image: s	Sam	Analysis Details		Jo	b Nu	mber:	2	0190	9055	2	188JH2	69 /1000) N Curie	l St		
Calibrated Visual Estimate of Percents of Each Fiber # Layer Type % Color Prib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 7 1 expansion joint 100 brown 1 90:100% -	Ana	llyzed By RAM 9/23/201 ogeneous Yes	19 An? # Layers 1	ok Aj	ppare As	nt Smp bestos	Type Detec	Miscella	aneous	18/2019		Fibrous		on: acce	ptable	
s Laver Type % Color Priability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 7 1 expansion joint 100 brown 1 90-100% -			approx. decre	easing orde	er): 10	ler, bind				1.0.1		versite of F	och Eibor			
Layer type Total %									ed Visu		1				ih 6	
i Openation (pint) 100 Overall % 90-100% - <	#	Layer Type %	6 Color		_			Fib 2	_	Fib 3	F	ib 4				
Total % LU0 Overall % Definition Fibers Color Mr/h So Pice Bit Eig Extractive Endex Determinations Color W/r F N N H + U cellulose fiber W F N N H + U Color RT Par R w F N N H + U Color RT Par R w F N N H + U Color RT Par R w F N N H + U Color RT Par R mple Analytical Note rocedure: tixessed apart using forceps. Procedure: tixessed apart using forceps. Condition: accept mongeneous Y Sampled: 9/18/2019 Condition: accept Non-Fibrous Components (in approx. decreasing order): filler, binder, Color Fib S	1	expansion joint 10	00 brown				_					-		_		
Fibers Color Mrh Iso Pio Bi Eig Eid Col Per Ri Per Ri cellulose fiber W P N N H + U Col Per Ri Per Ri cellulose fiber W P N N H + U Col Per Ri Per Ri mide Analytical Note N N H + U Col Per Ri Per N N H + U Col Per Ri Per N N H H U Col Per Ri Per N N H H U Col Per Ri Per N N H H U D		Total % 10	00	Overall %	6 9	0-100%			_	-	_	-	*		-	
Fibers Color Mrph Iso Pieo Bi Eg Ext Oil Col Per R1 P			Fiber	dentification:	cellul	ose fiber			_		_				_	
Cellulose fiber W P N N H + U Interval Color N H + U Interval		Fibers								E.A.			-	-	-	
Lawer Type % Color Habit Transmission Color Map Fib	-						Contraction of the	222.5			011	COLPAR	COIPEr	KI Fai	RI PC	
Total % Condition: accepta mple Analyzed By RAM Operation of matrix using solvent. Condition: accepta Analyzed By RAM Operation of matrix using solvent. Condition: accepta Sample: Operation of matrix using solvent. Condition: accepta Analyzed By RAM Operation of matrix using solvent. Condition: accepta Sample: Operation of matrix using solvent. Condition: accepta Sample: Operation of matrix using solvent. Condition: accepta Sample: Operation of matrix using solvent. Color Priability Fibr Calibrated Visual Estimate of Percents of Each Fiber Fibr Identification: operation of the prismant operation opera	_	Cellulose ilber														
mple Analytical Note Condition: accepter ample C-M-10A8-8 Lab Number 2019-09055-8 Sampled: 9/18/2019 Condition: accepter Analyzed By RAM 9/23/2019 An 2 (A a g A a																
mpie Analytical Note Condition solvent. ampie C-M-10A8-8 Lab Number 2019-09055-8 Sampled: 9/18/2019 Fibrous Mat Analyzed By RAM 9/23/2019 An 7 OK Apparent Smp Type Miscellaneous Fibrous Mat Smogeneous Yes # Layers I Asbestos Detected? No Simpled: 9/18/2019 Fibrous Mat Non-Fibrous Components (in approx. decreasing order): filler, binder, Calibrated Visual Estimate of Percents of Each Fiber Fibrous Mat # Layer Type % Color Friability Fib 2 Fib 3 Fib 4 Fib 5 Fib # Layer Type % Color Friability 90-100% -	_															
Procedure: dissolution of matrix using solvent. Condition: accepter finance of matrix using solvent. Calibrated Visual Estimate of Percents of Each Fiber # Layers 1 Asbestos Detected? No Refractive index of Percents of Each Fiber # Layers Calibrated Visual Estimate of Percents of Each Fiber # Layers Color Friability Fibe 1 Fibe 3 Fibe 4 Fibe 5 Fibe Total % Color Mriph Refractive Index Determinations Fibers Color Mriph Refractive Index Determinations Total % Color Mriph Refractive Index Determinations <th colsp<="" td=""><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td>_</td> <td></td>	_														
rocedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. ample C-M-10A8-8 Lab Number 2019-09055-8 Sampled: 9/18/2019 Condition: accepts Refractive By RAM 9/23/2019 An? OK Apparent Smp Type Miscellaneous Fibrous Mat Condition: accepts Color Fibrous Mat Implements of Percents of Each Fiber Fibrous Components (in approx. decreasing order): filler Implement Top 100% - - - Total % Color Fibrous Mat Total % Color Math math with the uiter of Percents of Each Fiber Color																

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			Jo	DD NU	imber:		20190	9055	2	188JH	269 /1000	J N Curie	l St		
Sample C-M-10A11-11 Analyzed By RAM 9/23 Iomogeneous Yes Non-Fibrous Components		An? (# Layers 1		ppare A	ent Smp sbestos	Type Detec	Miscella	aneous	18/2019)	Fibrous		on: acce	ptable	
Layers							Calibrat	ed Visu	al Estim	ate of P	ercents of E	ach Fiber			
# Layer Type	%	Color	Friability	,	Fib 1		Fib 2		Fib 3		Fib 4	Fib 5	F	ib 6	
1 expansion joint	100	tan	1		90-100%		14				-	-	_	-	
Total %	100		Overall o		90-100%				2		-			-	
Total /u						-				-			-		
		Fiber Ic	dentification:	Cellt	ulose fiber						Refractive J	Index Date	minatio	16	
Fibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par		
1 cellulose	fiber		W	F	N	N	H	+	U						
2															
3															
5															
5															
mple Analytical Note															
rocedure: tweased apart us	sing force	eps.													
omogeneous Yes Non-Fibrous Components Layers		# Layers 1 prox. decre			sbestos filler, bin	der,			al Estin	ate of P	ercents of E	ach Fiber			
# Layer Type	%	Color	Friability		Fib 1	1	Fib 2		Fib 3		Fib 4	Fib 5		ib 6	
						_	102	-	-		-			-	
1 expansion joint	100	tan	1	_	90-100%	_		_		_					
Total %	100		Overall	%	90-100%				-		-	-			
		Fiber lo	dentification:	cell	ulose fiber										
											Refractive	Index Dete	rminatio	10	
Fibers					1.7	Disa		El.	East	011	Col Bar			_	
Fibers	fiber		Color	Mrph	_	Pleo	Bi	Elg +	Ext	Oil	Col Par	Col Per		_	
Fibers 1 cellulose	fiber		Color W	Mrph F	N Iso	Pleo N	Bi H	Elg +	U Ext	Oil	Col Par			_	
1 cellulose 2 3	fiber		-		_					Oil	Col Par			RI Per	
cellulose cellulose	fiber		-		_					Oil	Col Par			_	
2 cellulose 3 4 5	fiber		-		_					Oil	Col Par			_	
1 cellulose 2 3 4 5 6	fiber		-		_					011	Col Par			_	
cellulose cellul		eps.	-		_					Oil	Col Par			_	
cellulose	sing force 3/2019	Lat An? # Layers 1	Number OK	2019 Appar A	N P-09055- ent Smp sbestos	13 5 Type 5 Detection	H Sampl Miscell cted? N	+ ed: 9/ aneous	U /18/201	9	Fibrou	Col Per		RI Per	
1 cellulose 2	sing force 3/2019 s (in ap	Lab An? # Layers 1 prox. decre	O Number OK A	2019 2019 Appar Aler):	N)-09055- ent Smj sbestos	13 5 Type 5 Detection	H Sampl Miscell cted? N Calibra	+ ed: 9/ aneous	U /18/201	9	Fibrou: ercents of f	Col Per Condit s Mat	RI Par	RI Per	
cellulose	sing force 3/2019	Lat An? # Layers 1	Number OK	2019 Appar Aler):	N D-09055- ent Smp sbestos filler, bin Fib 1	13 o Type s Detection der,	H Sampl Miscell cted? N	+ ed: 9/ aneous	U /18/201	9	Fibrou	Col Per	RI Par	RI Per	
cellulose	sing force 3/2019 s (in ap	Lab An? # Layers 1 prox. decre	O Number OK A	2019 Appar Aler):	N)-09055- ent Smj sbestos	13 o Type s Detection der,	H Sampl Miscell cted? N Calibra	+ ed: 9/ aneous	U /18/201	9	Fibrou: ercents of f	Col Per Condit s Mat	RI Par	RI Per	
cellulose	sing force 3/2019 s (in ap	Lat An? # Layers 1 prox. decre Color	O Number OK A casing ord	2019 Appar Aler):	N D-09055- ent Smp sbestos filler, bin Fib 1	13 o Type s Detec der,	H Sampl Miscell ted? N Calibrat	+ ed: 9/ aneous	U /18/201 ; Fib 3	9	Fibrou: ercents of f	Col Per Condit s Mat	RI Par	RI Per	
1 cellulose 2	sing force 3/2019 s (in ap % 100	Lat An? # Layers 1 prox. decre Color tan	O Number OK A casing ord Friabilit	2019 Appar Aler):	N D-09055- ent Smp Sbestos filler, bin Fib 1 90-100%	13 o Type s Detec der,	H Sampl Miscell ted? N Calibrat Fib 2	+ ed: 9/ aneous	U /18/201 Jal Estin Fib 3	9	Fibrou: ercents of f	Col Per Condit s Mat	RI Par	RI Per	
1 cellulose 2	sing force 3/2019 s (in ap % 100	Lat An? # Layers 1 prox. decre Color tan	W D Number OK A Friabilit 1 Overall dentification:	F 2019 Appar A ler): (cell	N -09055- ent Smp sbestos filler, bin Fib 1 90-100% 90-100% ulose fiber	13 o Type s Detec der,	H Sampl Miscell tted? N Calibrat Fib 2	ed: 9/ aneous o	U /18/201 5 Fib 3 -	9 Pate of P	Fibrou: ercents of F Fib 4 -	Condition Sector Fiber Fib 5	RI Par	RI Per	
1 cellulose 2	sing force 3/2019 % 100 100	Lat An? # Layers 1 prox. decre Color tan	W O Number OK Friabilit 1 Overall dentification: Color	F 2019 Appar Aler): vy cell Mrph	N P-09055- ent Smg sbestos filler, bin 90-100% 90-100% ulose fiber	13 o Type s Detec der,	H Sampl Miscell ted? N Calibrat Fib 2 - - Bi	+ ed: 9/ aneous o ted Visu Elg	U /18/201 Jal Estin Fib 3 - -	9	Fibrou: ercents of F Fib 4	Col Per Condit s Mat Each Fiber Fib 5 -	RI Par	RI Per	
1 cellulose 2 3 3 4 5 5 6 5 9 7rocedure: tweased apart us 9 C-M-10A13-13 Analyzed By RAM 9/2: 10 cellulose # Layer S 1 expansion joint Total % 1 cellulose	sing force 3/2019 % 100 100	Lat An? # Layers 1 prox. decre Color tan	W D Number OK A Friabilit 1 Overall dentification:	F 2019 Appar A ler): (cell	N -09055- ent Smp sbestos filler, bin Fib 1 90-100% 90-100% ulose fiber	13 o Type s Detec der,	H Sampl Miscell tted? N Calibrat Fib 2	ed: 9/ aneous o	U /18/201 5 Fib 3 -	9 Pate of P	Fibrou: ercents of F Fib 4 -	Condition Sector Fiber Fib 5	RI Par	RI Per	
1 cellulose 2 3 4 5 5 6 6 6 Procedure: tweased apart us Sample C-M-10A13-13 Analyzed By RAM 9/2: iomogeneous Yes Non-Fibrous Component Layers # Layer Type 1 expansion joint Total % Fibers 1 cellulose	sing force 3/2019 % 100 100	Lat An? # Layers 1 prox. decre Color tan	W O Number OK Friabilit 1 Overall dentification: Color	F 2019 Appar Aler): vy cell Mrph	N P-09055- ent Smg sbestos filler, bin 90-100% 90-100% ulose fiber	13 o Type s Detec der,	H Sampl Miscell ted? N Calibrat Fib 2 - - Bi	+ ed: 9/ aneous o ted Visu Elg	U /18/201 Jal Estin Fib 3 - -	9 Pate of P	Fibrou: ercents of F Fib 4 -	Condition Sector Fiber Fib 5	RI Par	RI Per	
1 cellulose 2	sing force 3/2019 % 100 100	Lat An? # Layers 1 prox. decre Color tan	W O Number OK Friabilit 1 Overall dentification: Color	F 2019 Appar Aler): vy cell Mrph	N P-09055- ent Smg sbestos filler, bin 90-100% 90-100% ulose fiber	13 o Type s Detec der,	H Sampl Miscell ted? N Calibrat Fib 2 - - Bi	+ ed: 9/ aneous o ted Visu Elg	U /18/201 Jal Estin Fib 3 - -	9 Pate of P	Fibrou: ercents of F Fib 4 -	Condition Sector Fiber Fib 5	RI Par	RI Per	
1 cellulose 2	sing force 3/2019 % 100 100	Lat An? # Layers 1 prox. decre Color tan	W O Number OK Friabilit 1 Overall dentification: Color	F 2019 Appar Aler): vy cell Mrph	N P-09055- ent Smg sbestos filler, bin 90-100% 90-100% ulose fiber	13 o Type s Detec der,	H Sampl Miscell ted? N Calibrat Fib 2 - - Bi	+ ed: 9/ aneous o ted Visu Elg	U /18/201 Jal Estin Fib 3 - -	9 Pate of P	Fibrou: ercents of F Fib 4 -	Condition Sector Fiber Fib 5	RI Par	RI Per	
1 cellulose 2	sing force 3/2019 % 100 100	Lat An? # Layers 1 prox. decre Color tan	W O Number OK Friabilit 1 Overall dentification: Color	F 2019 Appar Aler): vy cell Mrph	N P-09055- ent Smg sbestos filler, bin 90-100% 90-100% ulose fiber	13 o Type s Detec der,	H Sampl Miscell ted? N Calibrat Fib 2 - - Bi	+ ed: 9/ aneous o ted Visu Elg	U /18/201 Jal Estin Fib 3 - -	9 Pate of P	Fibrou: ercents of F Fib 4 -	Condition Sector Fiber Fib 5	RI Par	RI Per	
1 cellulose 2	sing force 3/2019 (in ap) % 100 100 fiber	Lat An? # Layers 1 prox. decre Color tan Fiber l	W O Number OK Friabilit 1 Overall dentification: Color	F 2019 Appar Aler): vy cell Mrph	N P-09055- ent Smg sbestos filler, bin 90-100% 90-100% ulose fiber	13 o Type s Detec der,	H Sampl Miscell ted? N Calibrat Fib 2 - - Bi	+ ed: 9/ aneous o ted Visu Elg	U /18/201 Jal Estin Fib 3 - -	9 Pate of P	Fibrou: ercents of F Fib 4 -	Condition Sector Fiber Fib 5	RI Par	RI Per	

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M Analysis Details														
C-M-10A14-14 Analyzed By RAM 9/23/ omogeneous Yes Non-Fibrous Components		An? (# Layers 1		ppare As	nt Smp bestos	Type Detect	Miscella	ineous	18/2019		Fibrous	Conditi Mat	on: acce	ptable
Layers						(Calibrat	ed Visu	al Estima	te of Pe	rcents of E	ach Fiber		
# Layer Type	%	Color	Friability		Fib 1		Fib 2		Fib 3	1	ib 4	Fib 5		Fib 6
							-				-	-		-
1 expansion joint	100	tan	1		0-100%	-		_		_		-		
Total %	100		Overall %	6 9	0-100%				-		-)	-		-
		Fiber Id	lentification:	cellul	ose fiber									
Fibers								-	E.A.	F Oil	Col Par	ndex Deter		RI Per
cellulose f	ibor		Color W	Mrph F	Iso N	Pleo N	Bi H	Elg +	Ext U	UI	COIPar	COLLEL	KIFai	KI FC
	ibei													
3														
-														
i														
mple Analytical Note														
rocedure: tweased apart usi	na force	DS.												
omogeneous Yes Non-Fibrous Components Layers		# Layers 1 prox. decre	asing ord		bestos olymer	foam, b	inder,		al Estim	ate of Pe	rcents of E	ach Fiber		
# Layer Type	%	Color	Friability	/	Fib 1		Fib 2		Fib 3	1	ib 4	Fib 5		Fib 6
1 foam	100	off-white	3		n.d.	1	-		-		-	-		-
			0											
			Overall 9	2/0	n.d.	1	-		-		-	-		-
Total %	100	Fi haa la	Overall •		n.d.		•		•		-	-		
		Fiber Io	Overall o	none	n.d.		*		-		-		rminatio	
		Fiber Io	dentification:	none	n.d.	Pleo	- Bi	Elg	- Ext	Oil	- Refractive I Col Par		rminatio RI Par	ns
Total %		Fiber Ic				Pleo	- Bi	Elg	- Ext			ndex Dete		ns
Fibers none		Fiber Io	dentification:	none		Pleo	Bi	Elg	- Ext			ndex Dete		ns
Fibers none		Fiber Io	dentification:	none		Pleo	Bi	Elg	- Ext			ndex Dete		ns
Fibers none		Fiber Io	dentification:	none		Pleo	Bi	Elg	Ext			ndex Dete		ns
Fibers none		Fiber Io	dentification:	none		Pleo	Bi	Elg	Ext			ndex Dete		ns
Fibers none		Fiber Io	dentification:	none		Pleo	Bi	Elg	- Ext			ndex Dete		ns
Fibers none	100		Color	none	Iso			Elg	- Ext			ndex Dete		ns
Total % Fibers none 1 none 2	100 ing force /2019	eps. Procedu Lat An? # Layers 1	Color Color ure: dissolu D Number OK A	Inone Mrph ution of 2019- Appare As	Iso matrix 09055- nt Smj sbestos	using s 16 Type Detec der,	olvent. Sampl Miscell ted? No	ed: 9/ aneous	18/2019	Oil		Col Per Col Per Condition		ns RI Pe
Total % Fibers 1 none 2 3 3 4 5 6 Procedure: tweased apart us Sample C-M-10A16-16 Analyzed By RAM 9/23 Iomogeneous Yes Non-Fibrous Components Layers	100 ing force /2019 s (in ap)	eps. Procedu Lat An? # Layers 1	Color Color ure: dissolu O Number OK A	Inone Mrph ution of 2019- 2019- As er): fi	Iso matrix 09055- nt Smj sbestos	using s 16 Type Detec der,	olvent. Sampl Miscell ted? No	ed: 9/ aneous	18/2019	Oil	Fibrous	Col Per Col Per Condition	RI Par	ns RI Pe
Total % Fibers none 1 none 2 3 3 4 5 5 6 5 9 6 9 7 9 7 9 0 9 0 9 0 9 0 9 0 9 0 9 0 10 0 <td>100 ing force /2019 s (in ap)</td> <td>eps. Procedu Lab An? # Layers 1 prox. decre Color</td> <td>Color Color ure: dissolu Number OK A Friability</td> <td>none Mrph ution of 2019- Appare As er): fi</td> <td>i matrix 09055- nt Smj sbestos Iller, bin</td> <td>using s 16 Type Detec der,</td> <td>olvent. Sampl Miscell ted? No Calibrat</td> <td>ed: 9/ aneous</td> <td>18/2019</td> <td>Oil</td> <td>Fibrous</td> <td>Conditions Mat</td> <td>RI Par</td> <td>ns RI Pe</td>	100 ing force /2019 s (in ap)	eps. Procedu Lab An? # Layers 1 prox. decre Color	Color Color ure: dissolu Number OK A Friability	none Mrph ution of 2019- Appare As er): fi	i matrix 09055- nt Smj sbestos Iller, bin	using s 16 Type Detec der,	olvent. Sampl Miscell ted? No Calibrat	ed: 9/ aneous	18/2019	Oil	Fibrous	Conditions Mat	RI Par	ns RI Pe
Total % Fibers none 1 none 2	100 ing force /2019 s (in ap) % 100	eps. Procedu Lab An? # Layers 1 prox. decre	Color Color Ure: dissolu OK A Friability 1	none Mrph ution of 2019- Appare As er): fi	i matrix matrix 09055- nt Smj sbestos Iller, bin Fib 1	using s 16 Type Detec der,	olvent. Sampl Miscell ted? No Calibrat Fib 2	ed: 9/ aneous	18/2019 Pal Estim	Oil	Fibrous	Conditions Mat	RI Par	ns RI Pe eptable
Fibers none	100 ing force /2019 s (in ap)	eps. Procedu Lab An? # Layers 1 prox. decre Color tan	Color Color Ure: dissolu Do Number OK A Friability 1 Overall 0	Inone Mrph ution of 2019- 2019- Appare As er): fi	Iso matrix 09055- int Smj sbesto: ller, bin Fib 1 00-100%	using s 16 Type Detec der,	olvent. Sampl Miscell ted? No Calibrat Fib 2	ed: 9/ aneous	18/2019 al Estim Fib 3	Oil	Fibrous	Conditions Mat	RI Par	ns RI Pe eptable
Total % Fibers none 1 none 2	100 ing force /2019 s (in ap) % 100	eps. Procedu Lab An? # Layers 1 prox. decre Color tan	Color Color Ure: dissolu OK A Friability 1	Inone Mrph ution of 2019- 2019- Appare As er): fi	i matrix matrix 09055- nt Smj sbestos Iller, bin Fib 1	using s 16 Type Detec der,	olvent. Sampl Miscell ted? No Calibrat Fib 2	ed: 9/ aneous	18/2019 al Estim Fib 3	ate of Pe	Fibrous	Conditions Mat	RI Par	ns RI Pe eptable
Total % Fibers none 1 none 2	100 ing force /2019 s (in ap) % 100	eps. Procedu Lab An? # Layers 1 prox. decre Color tan	Color Color Ure: dissolu O Number OK A Friability 1 Overall of dentification:	Inone Mrph ution of 2019- 2019- Appare As er): fi	Fib 1 Fib 1 00-100% 00-100%	using s 16 Datec der,	olvent. Sampl Miscell ted? No Calibrat Fib 2	ed: 9/ aneous o	18/2019 al Estim Fib 3 -	ate of Pe	Fibrous	Conditions Mat	RI Par	ns RI Pe
Fibers L none Z	100 ing force /2019 s (in ap) % 100	eps. Procedu Lab An? # Layers 1 prox. decre Color tan	Color Color Ure: dissolu Do Number OK A Friability 1 Overall 0	Inone Mrph ution of 2019- 2019- Appare As er): fi	Iso matrix 09055- int Smj sbesto: ller, bin Fib 1 00-100%	using s 16 Type Detec der,	olvent. Sampl Miscell ted? N Calibrat Fib 2	ed: 9/ aneous	18/2019 al Estim Fib 3	oil	Fibrous	Conditi S Mat S Conditi S Mat S Conditi S Mat S Conditi S Mat	RI Par	ns RI Pe eptable
Fibers 1 none 2	100 ing force /2019 s (in ap) % 100	eps. Procedu Lab An? # Layers 1 prox. decre Color tan	Color Color Color Color Color Color Color	Inone Mrph Ation of 2019- 2019- Appare As er): fi S (Cellu Mrph	i matrix o9055- ont Smj sbestos ller, bin Fib 1 00-100% 00-100% iose fiber Iso	using s 16 Datec der,	olvent. Sampl Miscell ted? No Calibrat Fib 2 - - Bi	ed: 9/ aneous b ed Visu	18/2019 al Estim Fib 3 - -	oil	Fibrous	Conditi S Mat S Conditi S Mat S Conditi S Mat S Conditi S Mat	RI Par	ns RI Pe
Fibers L none 2	100 ing force /2019 s (in ap) % 100	eps. Procedu Lab An? # Layers 1 prox. decre Color tan	Color Color Color Color Color Color Color	Inone Mrph Ation of 2019- 2019- Appare As er): fi S (Cellu Mrph	i matrix o9055- ont Smj sbestos ller, bin Fib 1 00-100% 00-100% iose fiber Iso	using s 16 Datec der,	olvent. Sampl Miscell ted? No Calibrat Fib 2 - - Bi	ed: 9/ aneous b ed Visu	18/2019 al Estim Fib 3 - -	oil	Fibrous	Conditi S Mat S Conditi S Mat S Conditi S Mat S Conditi S Mat	RI Par	ns RI Pe
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Phoenix, Arizona 85040-2816

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Fiberquant, Inc.

PLM A	Analysis Details			Jo	b Nu	mber:	2	20190	9055	2	188JH2	269 /1000	0 N Curie	l St	
Anal Homo	ble C-M-10A17-17 lyzed By RAM 9/23 geneous Yes -Fibrous Components		An? (# Layers 1		pparei As	nt Smp bestos	Type Detec	Miscella ted? No	aneous	18/2019	A Contraction of the second se	Non-fib	Conditi prous Solid	on: acce	ptable
	ayers								ed Visu	al Estima	te of Pe	rcents of E	ach Fiber		
	Lawar Tura	0/	Color	Erishility		Fib 1		Fib 2	cu visu	Fib 3		ib 4	Fib 5		ib 6
#	Layer Type	%	Color	Friability				FID 2			-		-		-
1	foam	100	off-white	3		n.d.	_				_	-			-
	Total %	100		Overall 9	/o	n.d.		-	_	-		-	-		-
			Fiber Id	lentification:	none	_	_	_							
	Fibers		1									Refractive I			RI Per
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2	none														
3															_
4															
5															
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	Analytical Note dure: tweased apart us	sing force	eps. Procedu	ire: dissolu	tion of	matrix	usina s	olvent.							
Homo Non	lyzed By RAM 9/23 ogeneous Yes -Fibrous Components Layers		An? (# Layers 1 prox. decre		As	bestos		ted? No	0		the of P	Fibrous			
									ed visu		- 1			-	
#	Layer Type	%	Color	Friability		Fib 1	_	Fib 2	_	Fib 3	_	Fib 4	Fib 5		Fib 6
1	expansion joint	100	tan	1	9	0-100%		-				-	-		-
	Total %	100		Overall o	% 9	0-100%		.				-	-		-
			Fiber Io	dentification:	cellul	ose fiber									
	-11											Refractive	-	-	-
-	Fibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose	fiber		W	F	N	N	Н	+	U					
3															
4															
5															
6												-			
	e Analytical Note edure: tweased apart us	ing force	005						-						
Homo Non			An? # Layers 1		Appare As	nt Smj besto:	D Type S Detec lymer,	Adhesi ted? N	ve/cau o			Rubbe	ry	ion: acce	eptable
						F 11			eu visu			ercents of E			Fib 6
#	Layer Type	%	Color	Friabilit	Y [Fib 1		Fib 2		Fib 3	_	Fib 4	Fib 5		Fib 6
1	sealant	100	white	1		n.d.		•	_	-		-			-
	Total %	100	ļ	Overall	%	n.d.		•				-	-		-
			Fiber lo	dentification:	none										
	Fibers						1		1			Refractive	-		
1				Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
2	none	-													
3															
4								_							
4 5															
4 5 6															
4 5 6 Sample	e Analytical Note	aine f	one Duess du	and the set	tion of										
4 5 6 ample	e Analytical Note edure: tweased apart us	sing force	eps. Procedu	re: dissolu	tion of	matrix	using s	olvent.							

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PLM	Analysis Details	b Nun	nber:		20190	9055	2	2188JH269 /1000 N Curiel St								
Ana Hom	ple C-M-10A20-20 Ilyzed By RAM 9/23 ogeneous Yes n-Fibrous Component		An? # Layers 1		paren Asb	t Smp bestos	Type Detec	Sampl Adhesi ted? N	ve/caul		9	Rubber	Conditi y	on: acce	ptable	
	Layers					Calibrat	ed Visu	al Estin	ate of Pe	ercents of E	ach Fiber					
#	Layer Type	%	Color	Friability	Fib 1			Fib 2		Fib 3	1	Fib 4		Fib 6		
1	sealant	100	white	1		n.d.		-	-			-	-			
	Total %			Overall %		n.d.		-		-		-	-		٦.	
			Fiber le	dentification:	none		1					Refractive I	ndex Dete	rminatio	ns	
	Fibers			Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per		RI Per	
1	none	9														
2								-								
3																
4							-									
5																
Sampl	e Analytical Note edure: tweased apart u	sina force	ps. Procedu	re: dissoluti	on of n	natrix u	ising s	olvent.								

Fr=Friability: 1=very non-friable; 2= non-friable; 3=friable; 4=highly friable Colors: B=black;BL=blue;BR=brown;CL=clear;G=Green;GY=gray;OR=orange;OW=off-white;PN=pink;PU=purple;R=red;TN=tan;W=white;Y=yellow;V=various Fiber Morphology: A=fine fibers/bundles, white, sinewy, flexible; B=fine fibers/bundles, w-br, straight, broomed ends; C=fine fibers/bundles, blue, straight, broomed ends; D=fine to coarse fibers, CL-B, brittle; E=coarse fibers,CL or dyed, striated; F=coarse fibers or splinters, W-BR, ribbon-like; G=lath-like or shards, low aspect ratio, may

D=fine to coarse fibers, CL-B, bittle, L=coarse fibers, cL-B, bittle, taper taper Iso=isotropism - may be yes or no; Pleo=pleochroism - may be yes or no; Bi=birefringence - may be None, Low, Medium or High Elg=sign of elongation - may be +, - or B (both); Ext=extinction - may be Parallel, Oblique, None or Undulating; Oil=medium used to for dispersion staining Col Par-dispersion staining colors parallel to the fiber (fiber/halo): b/w=black/white; dg/py=dark gray/pale yellow; vg/y=violet gray/yellow; db/ly=dark blue/lemon yellow; vb/g= vivid blue/gold; sb/o=sky blue/orange; pb/r=pale blue/red; gb/dr=gray blue/dark red; w/b=white/black. Col Perp=same only perpendicular to fiber. RI Par=refractive index parallel to fiber; RI Perp=refractive index perpendicular to fiber

A m'l.

Analyst: ROBERT A. McCORMICK

Printed: 23-Sep-19 Original Print Date: 23-Sep-19

Larry S. Pier Approved Accreditation Signatory



Eloy Elementary School District Curiel Primary School 1000 North Curiel Street Eloy, Arizona Photographic Log WESTERN TECHNOLOGIES INC.

WT Job No.: 2188JH269



Picture 1 – Expansion joint in masonry walls, typical.



Picture 2 – Exterior exposed window walls.



Picture 3 – Sealant between window frames and masonry, typical.



Picture 4 – Sealant around door in the Gymnasium.



Picture 5 – Window walls suspected to be located underneath wood panels.



Picture 6 – Doors with sealant between frames and masonry, typical.

Date: September 24, 2019