



June 10, 2016

Tetra Tech
3945 Lakefield Court
Suwanee, GA 30024

CLIENT PROJECT: 103X902701026.001F
CEI LAB CODE: T16-0921

Dear Customer:

Enclosed are asbestos analysis results for TEM air samples received at our laboratory on June 10, 2016. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per NIOSH 7402 Method.

The current OSHA 8-hour time weighted average permissible exposure limit (PEL) for asbestos is 0.1 f/cc and the 30 minutes excursion limit is 1 f/cc. The detection limit for the NIOSH 7402 method is one confirmed asbestos fiber above 95% expected mean blank value.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai".

Tianbao Bai, Ph.D., CIH
Laboratory Director



ASBESTOS ANALYTICAL REPORT
By: Transmission Electron Microscopy

Prepared for

Tetra Tech

CLIENT PROJECT: 103X902701026.001F

CEI LAB CODE: T16-0921

TEST METHOD: Air NIOSH 7402

REPORT DATE: 06/10/16

TEL: 866-481-1412

www.ceilabs.com



ASBESTOS AIR ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

Client: Tetra Tech
3945 Lakefield Court
Suwanee, GA 30024

CEI Lab Code: T16-0921
Date Received: 06-10-16
Date Analyzed: 06-10-16
Date Reported: 06-10-16

Project: 103X902701026.001F

TEM AIR NIOSH 7402

Client ID Lab ID	Volume (Liters)	PCM f/cc	Asbestos Type	Asbestos Fibers	Asbestos %	Asbestos f/cc
ODH-AA-L01 -060916 T50915	4790	0.002	None Detected	0	0	<0.002
ODH-AA-L02 -060916 T50916	4756	0.0012	None Detected	0	0	<0.0012
ODH-AA-L03 -060916 T50917	4240	0.0029	None Detected	0	0	<0.0015
ODH-AA-L04 -060916 T50918	4418	0.0038	None Detected	0	0	<0.0038
ODH-AA-L05 -060916 T50919	4338	0.0016	None Detected	0	0	<0.0016
ODH-AA-L06 -060916 T50920	4551	0.0019	None Detected	0	0	<0.0019



LEGEND: f/cc = fibers/cubic centimeter

METHOD: NIOSH 7402

Limit of Detection: 1 confirmed asbestos fiber above 95% of expected mean blank value

REGULATORY LIMIT: OSHA Excursion Limit (EL) is 1.0 fibers per cc based on a 30 minute sample; OSHA Permissible Exposure Limit (PEL) is 0.10 fibers per cc based on 8 hour TWA

ANALYTICAL EQUIPMENT: JEOL Electron Microscope (JEM-1200 EXII)
NORAN EDS System 7 (NSS112E)

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client.

No Field Blanks were submitted for project T16-0921.

ANALYST:

Kamila Reichert

Kamila Reichert

APPROVED BY:

Tianbao Bai

Tianbao Bai, Ph.D., CIH
Laboratory Director

0921
116-0903
TS0915-920

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www.mastest.com

P16-14438
P120870 -
P120877

CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS

Client name: Tetra Tech EM, Inc.
Address: 1955 Evergreen Blvd, Bldg 200, Suite 300
Duluth, GA 30096

Contact: Paul Prys
Phone: 404-849-7136
Fax: 678-775-3138

Project Name#: 103X902701026.001F
Samplers Name: Michael F. Durbin, GH
Sampling Date: 6/9/16

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME			FLOW RATE			SEGMENT VOLUME	TOTAL VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	TOTAL	INITIAL	FINAL	AVG			
ODH-AA-L01-060916	Location 1	G1	0740	1539	419	9.957	10.087	10.0	4790	Analyze samples by NIOSH Method 7400. Please e-mail results to the following: jessica.vickers@tetratech.com, paul.prys@tetratech.com, and mdurbin@durbinenvironmental.com	
ODH-AA-L02-060916	Location 2	G2	0757	1554	477	9.909	10.04	9.97	4756		
ODH-AA-L03-060916	Location 3	G3	0851	1661	430	9.875	9.836	9.86	4240		
ODH-AA-L04-060916	Location 4	G4	0841	1605	444	9.874	10.03	9.95	4418		
ODH-AA-L05-060916	Location 5	G5	0828	1548	440	9.782	9.938	9.86	4338		
ODH-AA-L06-060916	Location 6	G6	0808	15:44	456	9.861	10.101	9.98	4551		
ODH-FB01-060916	Field Blank 1	NA	NA	NA	NA	NA	NA	NA	NA		
ODH-FB02-060916	Field Blank 2	NA	NA	NA	NA	NA	NA	NA	NA		

Turnaround Time: Normal (5 days): 3 Days Rush: 2 Days Rush:

Next Day Rush:

4-hour TAT

Comments:

Relinquished By: <u>Michael F. Durbin, GH</u>	Date/Time: <u>6/9/16 16:50</u>
Received By: <u>AA</u>	Date/Time: <u>6/10/16 9:10</u>

Delivered Direct to Lab:
Method of Shipment: FedEx

Shipped:

Carly Johnson

From: Prys, Paul <Paul.Prys@tetrattech.com>
Sent: Friday, June 10, 2016 11:53 AM
To: Carly Johnson
Subject: Re: TEM Analysis

Good to go.

Sent from my Sprint phone.

----- Reply message -----

From: "Carly Johnson" <carly@ceilabs.com>
To: "Prys, Paul" <Paul.Prys@tetrattech.com>
Subject: TEM Analysis
Date: Fri, Jun 10, 2016 11:47

Hey Paul,

The project we received this morning has the same name as the one we received yesterday- 103X902701026.001F. Is this the same project and would you still like it to be analyzed TEM NIOSH 7402? Thank you!

Carly Johnson
Marketing Director
carly@ceilabs.com
Phone: (919) 481-1413
Cell: (919) 522-0745
Fax: (919) 481-1490

