



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 294192
Account Number: C162

Client: Cherokee Nation Environmental Programs
Carlton N Clark

Date Received: 05/10/2018
Received By: Amber Bassett
Date Analyzed: 05/15/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

Project: Eric Darwin
Project Location: Tulsa
Project Number: NA

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	01-01	Layered	Brown Shingle	Asbestos Not Present	Glass Fiber 25	Tar Sand
001a		Layered	Black Tar	Asbestos Not Present	NA	Tar
002	02-01	Homogeneous	Black Felt	Asbestos Not Present	Cellulose 70	Tar
003	03-01	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
004	03-02	Layered	White Texture	Asbestos Not Present	NA	CaCO3
004a		Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
004b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101939-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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005	03-03	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3

Cassie Sanborn

 Cassie Sanborn, Analyst

5/15/2018

 Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
 (800) 822-1650 • (405) 755-7272 • Fax (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 24492
 Accept Reject

Report Results (zip@quantem.com)
 Quantem Website
 Email arthur.clark@quantem.com
 Other _____

Contact Information
 Company: Cherokee Nation Environmental Programs Phone: (918) 453-5000
 Contact: C. Nicolas Clark Call Phone: (918) 316-7451
 Account #: C162 E-mail: cnfeon-clark@cherokee.org
 Name: C. Nicolas Clark Date: 5/7/18

Project Information
 Project Name: Eric Darwin
 Project Location: Tulsa
 Project ID: _____
 PO Number: 210186

RELINQUISHED BY: C. Nicolson DATE & TIME: 5-8-18 9am VIA: U.S. Mail RECEIVED BY: AMBER BOSSERT DATE & TIME: 9-40 5/10/18

REQUESTED SERVICES (Please check appropriate boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Arbc Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk Presence / Absence EPA 600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk Quantitative (Weight%) - Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm) - ASTM D5725	<input checked="" type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (110 Characters Max)	To Be Analyzed	Description	Color	Volume / Area (as applicable)	Comments / Notes
1	01-01	<input checked="" type="checkbox"/>	Shingle	Brown		Roof
2	02-01	<input checked="" type="checkbox"/>	Felt Paper	Black		Roof
3	03-01	<input checked="" type="checkbox"/>	Drywall Texture	White		Living Room
4	03-02	<input checked="" type="checkbox"/>	Drywall Texture	White		Living Room
5	03-03	<input checked="" type="checkbox"/>	Drywall Texture	White		Living Room
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-9517 • Mark Package "Hold for Saturday Pickup"
 Please Note - UPS and USPS are NOT available for Saturday Delivery