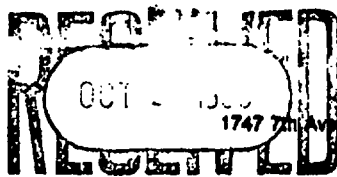


CHEMTEX

Environmental Laboratory

BROWNSVILLE TECHNICAL PARK



PLAINTIFF'S EXHIBIT

UC-1921

Client: J & D Enterprises
1090 South 4th St.
Beaumont, Texas 77701

Att: JoAnn Kelley

BROWNSVILLE, TX 77523-5611

Sample Source: Bulk
Date Collected: 10/17/88
Collected By: Client
Date Received: 10/17/88
CHEMTEX #: 10178804
Report Date: 10/18/88

CHEMTEX Environmental Laboratory Inc. received SIXTY SIX Bulk Samples from J & D Enterprises for the analysis and identification of Asbestos. The samples were received on October 17, 1988, and analyzed on October 17, 1988 by Polarized Light Microscopy.

The Bulk Samples were first examined for homogeneity and composition with the aid of a Simple Microscope. The visual estimation of relative concentration of Asbestos was made by examining the bulk samples under a Simple Microscope. Later few fibers were separated from the bulk samples, and observed under a Polarized Light Microscope for several characteristics including: (1) Morphology, (2) Extinction Characteristics, (3) Extinction Angle, (4) Sign of Elongation, (5) Birefringence and (6) Dispersion staining colors., etc.

Quality Assurance practices employed include examination of multiple slides of each sample, comparison of sample slides to Standards, Interlaboratory Identification and participating in Asbestos Bulk Sample Analysis Quality Assurance Program with Environmental Protection Agency (EPA accreditation # 6510).

Please see following pages for results.

*Asbestos Analysis
Mamie J. Jolley*

C. N. Reddy

Dr. C. N. Reddy, Ph.D
Laboratory Director

CJW/CNR

Air Analysis • Biological Analysis
Industrial Hygiene Analysis • Organic Analysis • Petroleum Analysis
Plant Analysis • Soil Testing • Water Analysis

BRD 1285

Project: Brownsville Technical
Park, Brownsville, Texas.

**ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY
POLARIZED LIGHT MICROSCOPY**

RESULTS OF ANALYSIS

<u>Sample I.D.</u>	<u>Asbestos Present or Absent</u>	<u>Type of Asbestos</u>	<u>Other Fibrous Material Present</u>	<u>Non- Fibrous Material Present</u>	<u>Friable/ Non- Friable</u>
B1	Absent	None 0%	Cellulose 2-3%	Carbonaceous Material 97-98%	Friable
B2	Absent	None 0%	Cellulose 30-40%	Carbonaceous Material 60-70%	Friable
B3	Absent	None 0%	Cellulose 3-5%	Carbonaceous Material 95-97%	Friable
B4	Absent	None 0%	Synthetic Fibers 2-3%	Carbonaceous Material 97-98%	Friable
B5	Present	Chrysotile 3-5%	Fiber Glass 15-20%	Non Carbona- ceous Material 75-82%	Friable
B6	Present	Chrysotile 2-3%	Fiber Glass 25-30%	Non Carbona- ceous Material 67-73%	Friable
B7	Present	Chrysotile 2-3% Amosite 20-25%	None 0%	Carbonaceous Material 72-78%	Friable
B8	Absent	None 0%	None 0%	Carbonaceous Material 100%	Friable



Dr. C. N. Reddy, Ph.D.
Laboratory Director

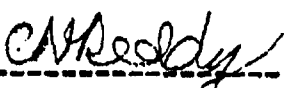
CHEMTEx #: 10178804

Project: Brownsville Technical
Park, Brownsville, Texas.

**ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY
POLARIZED LIGHT MICROSCOPY**

RESULTS OF ANALYSIS

Sample I.D.	Asbestos Present or Absent	Type of Asbestos	Other Fibrous Material Present	Non- Fibrous Material Present	Friable/ Non- Friable
B9	Present	Chrysotile 2-3%	Fiber Glass 15-20%	Non Carbona- ceous Material 77-83%	Friable
B10	Present	Chrysotile 2-3%	Fiber Glass 15-20%	Non Carbona- ceous Material 77-83%	Friable
B11	Present	Chrysotile 3-5%	Fiber Glass 15-20%	Non Carbona- ceous Material 75-82%	Friable
B12	Present	Chrysotile 3-5%	Fiber Glass 15-20%	Non Carbona- ceous Material 75-82%	Friable
B13	Present	Chrysotile 3-5%	Fiber Glass 10-15%	Non Carbona- ceous Material 80-87%	Friable
C1	Present	Chrysotile 3-5%	Fiber Glass 10-15%	Non Carbona- ceous Material 80-87%	Friable
C2	Absent	None 0%	Synthetic Fibers 10-15%	Carbonaceous Material 85-90%	Friable
C3	Present	Chrysotile 3-5%	Fiber Glass 15-20%	Non Carbona- ceous Material 75-82%	Friable



Dr. C. N. Reddy, Ph.D.
Laboratory Director

CHEMTEX #: 10178804

Project: Brownsville Technical
Park, Brownsville, Texas.

**ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY
POLARIZED LIGHT MICROSCOPY**

RESULTS OF ANALYSIS

Sample I.D.	Asbestos Present or Absent	Type of Asbestos	Other Fibrous Material Present	Non- Fibrous Material Present	Friable/ Non- Friable
C4	Absent	None 0%	Cellulose 5-10% Synthetic Fibers 10-15%	Carbonaceous Material 75-85%	Friable
C5	Present	Chrysotile 5-10%	Fiber Glass 20-25%	Non Carbona- ceous Material 65-75%	Friable
C6	Absent	None 0%	Synthetic Fibers 3-5%	Carbonaceous Material 95-97%	Friable
C7	Present	Chrysotile 2-3%	Fiber Glass 10-15%	Non Carbona- ceous Material 82-88%	Friable
C8	Present	Chrysotile 3-5%	Fiber Glass 15-20%	Non Carbona- ceous Material 75-82%	Friable
C9	Present	Chrysotile 3-5%	Fiber Glass 20-25%	Non Carbona- ceous Material 70-77%	Friable
C10	Present	Chrysotile 3-5%	Fiber Glass 20-25%	Non Carbona- ceous Material 70-77%	Friable

C.N. Reddy

Dr. C. N. Reddy, Ph.D.
Laboratory Director

CHEMTEX #: 10178904

Project: Brownsville Technical
Park, Brownsville, Texas.

**ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY
POLARIZED LIGHT MICROSCOPY**

RESULTS OF ANALYSIS

<u>Sample I.D.</u>	<u>Asbestos Present or Absent</u>	<u>Type of Asbestos</u>	<u>Other Fibrous Material Present</u>	<u>Non- Fibrous Material Present</u>	<u>Friable/ Non- Friable</u>
T1	Present	Amosite 15-20% Chrysotile 10-15%	None 0%	Carbonaceous Material 65-75%	Friable
T2	Absent	None 0%	Cellulose 40-50%	Carbonaceous Material 50-60%	Friable
T3	Absent	None 0%	Synthetic Fibers 10-15% Cellulose 5-10%	Carbonaceous Material 75-85%	Friable
T4	Present	Chrysotile 15-20% Amosite 5-10%	None 0%	Carbonaceous Material 70-80%	Friable
T5	Present	Chrysotile 3-5%	Fiber Glass 10-15%	Non Carbona- ceous Material 80-87%	Friable
T6	Present	Chrysotile 10-15% Amosite 20-25%	None 0%	Carbonaceous Material 60-70%	Friable
T7	Present	Chrysotile 3-5%	Fiber Glass 20-25%	Non Carbona- ceous Material 70-77%	Friable

C. N. Reddy

Dr. C. N. Reddy, Ph.D.
Laboratory Director

CHEMTEX #: 10178804

Project: Brownsville Technical
Park, Brownsville, Texas.

**ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY
POLARIZED LIGHT MICROSCOPY**

RESULTS OF ANALYSIS

Sample I.D.	Asbestos Present or Absent	Type of Asbestos	Other Fibrous Material Present	Non- Fibrous Material Present	Friable/ Non- Friable
V18	Absent	None 0%	Cellulose 20-25%	Carbonaceous Material 75-80%	Friable
V19	Absent	None 0%	Cellulose 30-40%	Carbonaceous Material 60-70%	Friable
V20	Absent	None 0%	Cellulose 40-50%	Carbonaceous Material 50-60%	Friable
V21	Present	Chrysotile 3-5% Amosite 15-20%	None 0%	Carbonaceous Material 75-82%	Friable
V22	Absent	None 0%	Cellulose 10-15%	Carbonaceous Material 85-90%	Friable
V23	Absent	None 0%	Cellulose 10-15% Synthetic Fibers 3-5%	Carbonaceous Material 80-87%	Friable
V24	Present	Chrysotile 10-15% Amosite 10-15%	None 0%	Carbonaceous Material 70-80%	Friable

C.N. Reddy

Dr. C. N. Reddy, Ph.D.
Laboratory Director

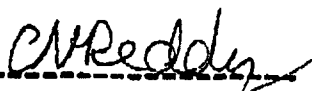
CHEMTEX #: 10178804

Project: Brownsville Technical
Park, Brownsville, Texas.

**ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY
POLARIZED LIGHT MICROSCOPY**

RESULTS OF ANALYSIS

<u>Sample I.D.</u>	<u>Asbestos Present or Absent</u>	<u>Type of Asbestos</u>	<u>Other Fibrous Material Present</u>	<u>Non- Fibrous Material Present</u>	<u>Friable/ Non- Friable</u>
V25	Absent	None 0%	Cellulose 2-3% 1	Carbonaceous Material 97-98%	Friable
V26	Present	Chrysotile 1-2% Amosite 10-15%	None 0%	Carbonaceous Material 83-89%	Friable
V27	Absent	None 0%	Cellulose 40-50%	Carbonaceous Material 50-60%	Friable
V28	Absent	None 0%	Cellulose 10-15% Synthetic Fibers 15-20%	Carbonaceous Material 65-75%	Friable
V29	Absent	None 0%	Fiber Glass 20-25%	Non Carbona- ceous Material 75-80%	Friable
V30	Absent	None 0%	Cellulose 30-40%	Carbonaceous Material 60-70%	Friable
V31	Absent	None 0%	Fiber Glass 20-25%	Non Carbona- ceous Material 75-80%	Friable
V32	Absent	None 0%	Cellulose 15-20%	Carbonaceous Material 80-85%	Friable



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**ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY
POLARIZED LIGHT MICROSCOPY**

RESULTS OF ANALYSIS

Sample I.D.	Asbestos Present or Absent	Type of Asbestos	Other Fibrous Material Present	Non- Fibrous Material Present	Friable/ Non- Friable
V33	Present	Chrysotile 3-5%	Fiber Glass 15-20%	Non Carbona- ceous Material 75-82%	Friable
V34	Present	Chrysotile 3-5%	Fiber Glass 10-15%	Non Carbona- ceous Material 85-90%	Friable
V35	Present	Chrysotile 3-5%	Fiber Glass 10-15%	Carbonaceous Material 80-87%	Friable
V36	Present	Chrysotile 1-2% Amosite 15-20%	None 0%	Carbonaceous Material 78-84%	Friable
V37	Present	Chrysotile 1-2% Amosite 10-15%	None 0%	Carbonaceous Material 83-89%	Friable
V38	Absent	None 0%	Cellulose 40-50%	Carbonaceous Material 50-60%	Friable
V39	Present	Chrysotile 3-5% Amosite 15-20%	None 0%	Carbonaceous Material 75-82%	Friable



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**ASBESTOS BULK ANALYSIS AND IDENTIFICATION BY
POLARIZED LIGHT MICROSCOPY**

RESULTS OF ANALYSIS

Sample I.D.	Asbestos Present or Absent	Type of Asbestos	Other Fibrous Material Present	Non- Fibrous Material Present	Friable/ Non- Friable
V47	Present	Chrysotile 3-5%	Fiber Glass 15-20%	Non Carbona- ceous Material 75-82%	Friable
V48	Absent	None 0%	Cellulose 25-30%	Carbonaceous Material 70-75%	Friable
V49	Present	Chrysotile 3-5%	Fiber Glass 20-25%	Non Carbona- ceous Material 70-77%	Friable
V50	Present	Chrysotile 15-20% Amosite 10-15%	None 0%	Carbonaceous Material 65-75%	Friable
V51	Present	Chrysotile 2-3%	Fiber Glass 15-20%	Carbonaceous Material 77-83%	Friable
V52	Absent	None 0%	Cellulose 40-50%	Carbonaceous Material 50-60%	Friable
V53	Absent	None 0%	Cellulose 25-30%	Carbonaceous Material 70-75%	Friable



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