

**MICRO ANALYTICAL LABORATORIES, INC.**  
**BULK ASBESTOS ANALYSIS - PLM (EPA/600/R-93/116, 1993)**



1102  
 Bob Kuykendall  
 The Denali Group  
 2255 Morello Avenue, Suite 208  
 Pleasant Hill, CA 94523

PROJECT:  
**BUILDING 8 GYM WALL**  
**B14-16-18 COLONNADE ROOFS**  
**JOB NO. 09582**

Micro Log In **153407**  
 Total Samples 5  
 Date Sampled 04/27/2011  
 Date Received 04/29/2011  
 Date Analyzed 04/29/2011

**ASBESTOS INFORMATION**

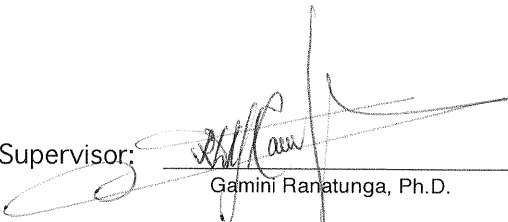
SAMPLE IDENTIFICATION

QUANTITY (AREA %) / TYPES / LAYERS / DISTINCT SAMPLES

DOMINANT  
OTHER MATERIALS

Client #: <b>DG-1</b>		
Micro #: 153407-01 Analyst: SC GRAY FIBROUS COVERING ON SOUTH GYM WALL BUILDING 8	<b>20% CHRYSOTILE ASBESTOS</b>	40 % FIBROUS GLASS  Matrix: BINDER, OTHER, Type: MISCELLANEOUS.
Client #: <b>DG-2</b>		
Micro #: 153407-02 Analyst: SC B14-B16 NORTH END ROOF COLONNADES BLACK TARRY ROOF COVERING MULTI LAYER	<b>GLOSSY TAR: NONE DETECTED</b> <b>CELLULOSE FELT LAYERS: NONE DETECTED</b>	30 % CELLULOSE  Matrix: TAR/ASPHALT, BINDER Type:
Client #: <b>DG-3</b>		
Micro #: 153407-03 Analyst: SC B14-B16 SOUTH END OF ROOF COLONNADES BLACK TARRY ROOF COVERING MULTI ROOF	<b>GLOSSY TAR: NONE DETECTED</b> <b>CELLULOSE FELT: NONE DETECTED</b>	30 % CELLULOSE  Matrix: TAR/ASPHALT, BINDER Type:
Client #: <b>DG-4</b>		
Micro #: 153407-04 Analyst: SC B16 - B18 SOUTH END OF ROOF COLONNADES ROOF MATERIAL GRAY UPPER BLACK BOTTOM	<b>GRAY PAINT (TOP): NONE DETECTED</b> <b>BLACK ROOF MATERIAL: NONE DETECTED</b> <b>TAN COATING (BOTTOM): 20% CHRYSOTILE ASBESTOS</b>	Matrix: TAR/ASPHALT, BINDER Type:
Client #: <b>DG-5</b>		
Micro #: 153407-05 Analyst: SC GR B16 - B18 NORTH END OF ROOF COLONNADES ROOF MATERIAL GRAY UPPER BLACK BOTTOM	<b>GRAY ROOF MATERIAL: NONE DETECTED</b> <b>BLACK ROOF MATERIAL: NONE DETECTED</b>	2 % CELLULOSE 5 % FIBROUS GLASS 2 % SYNTHETIC FIBERS Matrix: TAR/ASPHALT, BINDER Type:

Technical Supervisor:

  
 Gamini Ranatunga, Ph.D.

4/29/2011

Date Reported

Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM is recommended. Only dominant non-asbestos materials are indicated. Interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. Layers are analyzed separately when feasible; if asbestos is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. Composite asbestos percentages are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC): all results have been determined to be within acceptance limits prior to reporting. Samples that were reanalyzed are denoted by two sets of analyst initials. Accreditation: NVLAP Lab Code 101872-0. CA ELAP Certification #1037. EPA 1993 method is based on EPA Interim Method (1982), with improved analytical techniques. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report must not be used to claim product endorsement by NIST or any U.S. Government agency. This report shall not be reproduced without the approval of Micro Analytical Laboratories, Inc., shall not be reproduced except in full, and pertains only to the samples analyzed. ND = NO ASBESTOS DETECTED.

Client ID #

MICRO ANALYTICAL LABORATORIES, INC.

Log in #

153407

Name / Client / Address:

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(510) 653-0824 - (510) 653-1361 - FAX

Bob Kuykendall

Denali, Inc.

Project

2255 Morello Ave., Suite 208

Building 8 gym wall  
B14-16-18 colonnade roofs

Pleasant Hill, California 94523

Tel. (925) 602-2333

Fax (925) 687-1258

Job No. 09582

E-mail denaligp@ix.netcom.com

Asbestos (TEM)

Asbestos PLM

Lead Only

Metals (Specify)

Mold, Non-Viable

Other (Specify)

Number of Samples

5

Turn-Around Time

24 HOURS

Micro ID # (For Lab Use Only)

Client Sample ID#

Description

Date Sampled

Time Sampled Start / Stop / Total Minutes

Average LPM

Total Liters

Filter Pore Size

Table with 9 columns: Micro ID #, Client Sample ID#, Description, Date Sampled, Time Sampled, Average LPM, Total Liters, Filter Pore Size. Contains 5 rows of sample data (DG-1 to DG-5) and 4 empty rows.

Instructions / Comments:

Fax checkbox

Fax

E-mail checkbox

E-mail To:

denaligp@ix.netcom.com

Sample Return: YES

NO checkbox

NO

YES checkbox

If "YES" is checked, samples will be returned to the client or archived at Micro Analytical if required.

If "NO" is checked, solid samples may be disposed of within three months (one week for liquid samples, lab suspensions, and digestates).

Sampler's Signature / Name

Robert C. Kuykendall 4/28/11 to FedEx Drop Box Courier

Note to Lab: If any samples are not acceptable, record reasons for rejection.

PLM 4.29.11 1020

Relinquished By

Date / Time

Relinquished checkboxes

Received By

Date / Time

Relinquished By

Date/Time

Relinquished checkboxes

Received By

Date / Time