NYC 9/11 Public Portal Document

New York Lab
107 West 38th Street, New York, NY 10018
Phone: 212-290-0051 Fax: 2122900050 Email:

EMSL

Attn:	H A Bader Consultants 88 Bleecker St Suite 4E New York, NY 10012	Customer ID	HAB50
		Customer PO	
		Received	01/11/02 8:56 PM
Fax:	(212) 477-8941 Phone: 212-475-4122	EMSL Order:	030200532
Project:	BMCC 30 West Broadway NY,NY	EMSL Project ID:	
		Analysis Date:	1/12/2002

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

				Non-Asbestos		Asbestos
Sample	Location	Appearance	Treatment	% Fibrous	% Non-Fibrous	% Type
1/02 F-224	Computer room 5th room 507	Tan Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 15.00% Cellulose	40.00% Non-fibrous (other) 30.00% CA Carbonite	None Detected
1/02 F-225	Computer room 5th room 507	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 15.00% Cellulose	35.00% Non-fibrous (other) 30.00% CA Carbonite	<1% Chrysotile
1/02 F-226	Computer room 5th room 507	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 20.00% Cellulose	35.00% Non-fibrous (other) 25.00% CA Carbonite	<1% Chrysotile
1/02 F-227	Computer room 5th room 507	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 25.00% Cellulose	55.00% Non-fibrous (other)	<1% Chrysotile
228	Computer room 5th room 507	Tan Fibrous Heterogeneous	Teased Dissolved	30.00% Glass 15.00% Cellulose	55.00% Non-fibrous (other)	None Detected
1/02 F-229	Computer room 5th room 507	Tan Fibrous Heterogeneous	Teased Dissolved	35.00% Glass 20.00% Cellulose	45.00% Non-fibrous (other)	<1% Chrysotile
1/02 F-230	Computer room 5th room 507	Tan Fibrous Heterogeneous	Teased Dissolved	35.00% Glass 25.00% Cellulose	40.00% Non-fibrous (other)	None Detected
1/02 F-231	Computer room 5th room 507	Tan Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 10.00% Cellulose	75.00% Non-fibrous (other)	None Detected
1/02 F-232	4th fl NE corner room	Tan Fibrous Heterogeneous	Teased Dissolved	25.00% Glass 15.00% Cellulose	60.00% Non-fibrous (other)	None Detected
1/02 F-233	4th fl freight elevator lobby	Tan Fibrous Heterogeneous	Teased Dissolved	25.00% Glass 20.00% Cellulose	55.00% Non-fibrous (other)	None Detected

Williams John
Analyst

Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none may require analysis by TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.
Analyzed by EMSL Mansfield (NVLAP #101063-0), NY ELAP #11508

PLM Point Count-1

CITY_21MC100_012679920

NYC-WTC_000246748

NYC 9/11 Public Portal Document

ew York Lab
7 West 38th Street, New York, NY 10018
2-290-0061 Fax: 2122900058 Email:

EMSL

n: H A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012
x: (212) 477-9941 Phone: 212-475-4122
ject: BMCC 30 West Broadway NY,NY

Customer ID: HAB50
Customer PO:
Received: 01/11/02 8:56 PM

EMSL Order: 030200533
EMSL Project ID:

Analysis Date: 1/12/2002

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

ple	Location	Appearance	Treatment	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
/02 F-234	4th fl SE corner room	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 20.00% Cellulose	60.00% Non-fibrous (other)	None Detected
/02 F-235	4th fl NW corner room	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 25.00% Cellulose	55.00% Non-fibrous (other)	None Detected
/02 F-236	Main elevator lobby 4th fl	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 30.00% Cellulose	50.00% Non-fibrous (other)	None Detected
1/02 F-237	West window sill 2nd fl	Tan Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 40.00% Cellulose	45.00% Non-fibrous (other)	None Detected
238	Noth window sill 2nd fl	Tan Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 45.00% Cellulose	40.00% Non-fibrous (other)	None Detected
1/02 F-239	Main elevator lobby 2nd fl	Tan Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 40.00% Cellulose	50.00% Non-fibrous (other)	None Detected
1/02 F-240	Freight elevator lobby 2nd fl	Tan Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 15.00% Cellulose	75.00% Non-fibrous (other)	None Detected
1/02 F-241	SE room adj to stair C door 2nd fl	Tan Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 50.00% Cellulose	40.00% Non-fibrous (other)	None Detected
1/02 F-242	Top of security desk 1st fl	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 45.00% Cellulose	35.00% Non-fibrous (other)	<1% Chrysotile
1/02 F-243	NW window sill 1st fl	Tan Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 20.00% Cellulose	70.00% Non-fibrous (other)	None Detected

Williams John
Analyst

Laboratory Manager
or other approved signatory

has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.
accredited by EMSL Manhattan (NVLAP #101048-0), NY ELAP 11506

CITY_21MC100_012679921

NYC-WTC_000246749

NYC 9/11 Public Portal Document

: Lab
New York, NY 10018
Fax: 2122900058 Email:

EMSL

Bader Consultants
escker St
4E
York, NY 10012
) 477-8941 Phone: 212-475-4122
CC 30 West Broadway NY,NY

Customer ID: HAB50
Customer PO:
Received: 01/11/02 9:56 PM

EMSL Order: 030200533
EMSL Project ID:

Analysis Date: 1/12/2002

tos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

	Location	Appearance	Treatment	Non-Asbestos %	Fibrous	Non-Asbestos %	Non-Fibrous	Asbestos % Type
	West window sill 1st fl	Tan Fibrous Heterogeneous	Teased Dissolved	15.00%	Glass	40.00%	Non-fibrous (other)	None Detected
				45.00%	Cellulose			
	Elevator lobby NE corner 1st fl	Tan Fibrous Heterogeneous	Teased Dissolved	15.00%	Glass	45.00%	Non-fibrous (other)	<1% Chrysotile
				40.00%	Cellulose			
	West stairs to lobby bsmt	Tan Fibrous Heterogeneous	Teased Dissolved	25.00%	Glass	30.00%	Non-fibrous (other)	<1% Chrysotile
				45.00%	Cellulose			
	Adj to elevator machine room door bsmt	Tan Fibrous Heterogeneous	Teased Dissolved	10.00%	Glass	55.00%	Non-fibrous (other)	None Detected
				35.00%	Cellulose			
	op of refrigerant onitor bsmt	Tan Fibrous Heterogeneous	Teased Dissolved	10.00%	Glass	70.00%	Non-fibrous (other)	None Detected
				20.00%	Cellulose			
	NE corner room fl bsmt	Tan Fibrous Heterogeneous	Teased Dissolved	15.00%	Glass	50.00%	Non-fibrous (other)	None Detected
				35.00%	Cellulose			
	Hall floor adj to stair door bsmt	Tan Fibrous Heterogeneous	Teased Dissolved	15.00%	Glass	35.00%	Non-fibrous (other)	None Detected
				50.00%	Cellulose			
	Air handling unit inside AC-7 bsmt	Tan Fibrous Heterogeneous	Teased Dissolved	20.00%	Glass	35.00%	Non-fibrous (other)	None Detected
				45.00%	Cellulose			
2	NW corner office window 14th fl	Tan Fibrous Heterogeneous	Teased Dissolved	25.00%	Glass	45.00%	Non-fibrous (other)	None Detected
				30.00%	Cellulose			
3	Room 10 tidex systems desk 14th fl	Tan Fibrous Heterogeneous	Teased Dissolved	10.00%	Glass	50.00%	Non-fibrous (other)	None Detected
				40.00%	Cellulose			

hn

Laboratory Manager
or other approved signatory

n to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none ated with: TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

ISL Manhattan (NVLAP #101048-0), NY ELAP #11506

1

3

CITY_21MC100_012679922

NYC-WTC_000246750

NYC 9/11 Public Portal Document

rk Lab
n Street, New York, NY 10018
...0051 Fax: 2122920058 Email:

EMSL

A. Bader Consultants
3 Bleecker St
uite 4E
ew York, NY 10012
12) 477-8941 Phone: 212-475-4122
MCC 30 West Broadway NY,NY

Customer ID: HAB50
Customer PO:
Received: 01/11/02 8:56 PM

EMSL Order 030200533
EMSL Project ID:

Analysis Date 1/12/2002

stos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

	Location	Appearance	Treatment	Non-Asbestos %	Fibrous	Non-Asbestos %	Non-Fibrous	Asbestos % Type
	North hall adj to stair C door 14th fl	Tan Fibrous Heterogeneous	Teased Dissolved	15.00%	Glass	50.00%	Non-fibrous (other)	None Detected
				35.00%	Cellulose			
	Room 11 window sill NE corner 14 fl	Tan Fibrous Heterogeneous	Teased Dissolved	15.00%	Glass	65.00%	Non-fibrous (other)	None Detected
				20.00%	Cellulose			
3	Top of water fountain E hall 14 fl	Tan Fibrous Heterogeneous	Teased Dissolved	10.00%	Glass	40.00%	Non-fibrous (other)	None Detected
				50.00%	Cellulose			
7	Room 3 window sill 14 fl	Tan Fibrous Heterogeneous	Teased Dissolved	20.00%	Glass	40.00%	Non-fibrous (other)	None Detected
				40.00%	Cellulose			
	SE window sill 14 fl							Insufficient Materia
9	Freight elevator lobby 14 fl	Tan Fibrous Heterogeneous	Teased Dissolved	10.00%	Glass	30.00%	Non-fibrous (other)	None Detected
				60.00%	Cellulose			
50	Top of water fountain W hall 14 fl	Tan Fibrous Heterogeneous	Teased Dissolved	15.00%	Glass	35.00%	Non-fibrous (other)	None Detected
				50.00%	Cellulose			
51	Inside air handling unit AC-1 15 fl	Tan Fibrous Heterogeneous	Teased Dissolved	15.00%	Glass	25.00%	Non-fibrous (other)	None Detected
				60.00%	Cellulose			
52	Inside air handling unit AC-2 15 fl	Tan Fibrous Heterogeneous	Teased Dissolved	20.00%	Glass	35.00%	Non-fibrous (other)	None Detected
				45.00%	Cellulose			
63	Inside B + G room window sill 8 fl	Tan Fibrous Heterogeneous	Teased Dissolved	15.00%	Glass	65.00%	Non-fibrous (other)	None Detected
				20.00%	Cellulose			

ohn

Laboratory Manager
or other approved signatory

...ion to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none ...ssed with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. ...above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

...ed by EMSL Manhattan (NVLAP #101048-0); NY ELAP 11536

...ount-1

4

18

CITY_21MC100_012679923

NYC-WTC_000246751

NYC 9/11 Public Portal Document

‹ Lab
:treet, New York, NY 10016
Fax 2122900058 Email:

EMSL

Bader Consultants
leecker St
: 4E
York, NY 10012
) 477-8941 Phone: 212-475-4122
CC 30 West Broadway NY,NY

Customer ID: HAB50
Customer PO:
Received: 01/11/02 8:56 PM

EMSL Order: 030200533
EMSL Project ID:

Analysis Date: 1/12/2002

tos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos			Asbestos
Location	Appearance	Treatment	% Fibrous		% Non-Fibrous	% Type
Inside air handling unit fl	Tan Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 35.00% Cellulose		45.00% Non-fibrous (other)	None Detected
	Tan Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 40.00% Cellulose		50.00% Non-fibrous (other)	None Detected
	Tan Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 45.00% Cellulose		40.00% Non-fibrous (other)	None Detected

bn

Laboratory Manager
or other approved signatory

known to this asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or "none
ested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL.
bove test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.
MSL Manhattan (NVLAP #101348-9), NY ELAP 11SC6

5

19

CITY_21MC100_012679924

NYC-WTC_000246752