



Hygeia Laboratories Inc.

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NIST/NVLAP Lab Code 102116-0
California ELAP Certificate No. 1269
New York ELAP Certificate No. 11017

Bulk Sample Analysis Summary

Analytical Method: EPA 600/R-93/116

June 15, 2004

Mr. John Doe Your Company Your address Your City, CA 90000		Samples Analyzed 4 Sampler: John Doe		Hygeia Reference No. 92077 05 0001 Date Collected June 1, 2004 Date Received June 16, 2004 Date Analyzed June 15, 2004											
Client Reference: Your Project Reference Number Your Project Referent Text		Asbestos Type, %					Non-Asbestos Constituents, %								
		Asbestos Detected	Chrysotile	Amosite	Crocidolite	Tremolite/Actinolite	Anthophyllite	Other	Cellulose	Fiberglass	Synthetic	Mineral Fillers	Vermiculite	Organic Binders	QC
Client Sample ID Hygeia Sample ID	Sample Description - color Comments														
1 999996	Wall plaster - white	No						10			90				
2 999997	Grout - grey	No						2			98				
3 999998	Fireproofing - white	No						60	10		30				
4 999999	Baseboard mastic - yellow	Yes	5					10	10	10	65				X

Microscopist - Quynh Trieu

The analyses of the samples in this report were performed using polarized light microscopy using the EPA method 600/R-93/116. The phase abundances provided are visually estimated and expressed as percent area. Total percentage of sample constituents may total greater than 100 due to trace amounts. The limit of detection for this analytical method is less than one percent. In multilayer samples, unless otherwise specified, the asbestos concentration is reported for the layer where asbestos is found. These results lie within the statistical limits of variability calculated for standard reference samples routinely analyzed in the laboratory. On a per sample basis, the accuracy and precision of the results depend on the type of sample and its asbestos content.

Hygeia recommends transmission electron microscopy (TEM) analysis on organically bound bulk materials (eg., vinyl floor tile, mastics, roofing materials, joint compounds) when PLM analysis shows undetectable quantities of asbestos. These materials often contain milled asbestos with fiber diameters and lengths too small to be resolved by the PLM and the analysis may yield a false negative result.

Hygeia Laboratories Inc. is accredited under the NIST/NVLAP program for asbestos in bulk material by polarized light microscopy and the State of California for asbestos analysis.

Hygeia Laboratories Inc. and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. Liability shall extend to providing replicate analyses only. This report must not be used to claim product endorsement by NVLAP or any agency of the US Government. Hygeia will retain samples for a period of three months unless otherwise specified. This report relates only to samples submitted and analyzed. This report may not be reproduced except for in full, without the written approval of this laboratory. Please feel free to contact Hygeia regarding any questions about these results, this report, or the analytical methods employed.

Arturo Casas - Supervisor of Optical Microscopy