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Combustion By-Product (CBP) Laboratory Report

Customer: Pasadena Unified School District
 351 South Hudson Avenue
 Pasadena, CA 91109

Job Location: Allendale Elementary School
 1135 South Euclid Avenue
 Pasadena, CA 91106

Lab ID	1525011302	1525011303	1525011304	1525011305	1525011306	1525011307	1525011308	1525011309	1525011310	1525011311
Sample #	1	2	3	4	5	6	7	8	9	10
Sample Type	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift
Soot (Black Carbon)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	<1%	N.D.	N.D.
Char (Carbonized Material)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ash (Carbonized Material)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
pH	6.92	7.06	6.95	6.68	6.61	7.29	6.99	6.75	7.33	7.12

Location	Classroom 15 Front Row Desk 4 L-R	Classroom 14 Filing Cabinet by Window	Classroom 13 Top of Desk	Facility Storage Countertop	Classroom 12 Top of Upright Piano by Window	Classroom 11 Countertop by Window	Classroom 7 Bookshelf by Window	Classroom 8 Top of Television	Library 9 Top of Bookcase	Classroom 4 Top of Countertop by Microscopes
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Notes										
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Components:

Fibrous Material	x	x	x	x	x	x	x	x	x	x
Fungal Material										
Material Consistent With Carbon Black										
Paint										
Plant Material										
Rubber										
Rust/Metal Flakes										
Other	x									

Sampled: 01/27/2025 Received: 01/27/2025 Analyzed: 01/28/2025 Report: 01/28/2025

Analysts: Russell Chhith Arturo Valdez Admin QC: CN Lab QC: EE

Samples were analyzed in accordance with ASTM D6602-13: Standard Practice for Sampling & Testing of Possible Carbon Black Fugitive Emissions or Other Environmental Particulate, or Both (modified). Limit of Detection (LOD) is 1.0% and Limit of Quantification (LOQ) is 1.0%. Combustion By-Product (CBP) percentage obtained through calibrated visual estimation (CVE). Char and ash are visually estimated by polarized light microscopy, material transmitted light, and reflected light microscopy analysis, whereas soot is confirmed and visually estimated by TEM (Transmission Electron Microscopy) analysis. The TEM is equipped with an EDS (energy dispersive x-ray spectroscope) for soot elemental composition. *(Soot is presumptive for samples which consist of Tape-lifts only.) The pH is measured to two decimal places via a calibrated pH meter. All samples are disposed of after 30 days unless the customer requests otherwise. Test results apply to the sample as received. Results are not blank corrected. This report shall not be reproduced except in full, without the written approval of the laboratory. This report must not be used by the client to claim product certification, approval, or endorsement by AIHA or any agency of the U.S. Government.



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Combustion By-Product (CBP) Laboratory Report

Customer: Pasadena Unified School District
 351 South Hudson Avenue
 Pasadena, CA 91109

Job Location: Allendale Elementary School
 1135 South Euclid Avenue
 Pasadena, CA 91106

Lab ID	1525011312	1525011313	1525011314	1525011315	1525011316	1525011317	1525011318	1525011319	1525011320	1525011321
Sample #	11	12	13	14	15	16	17	18	19	20
Sample Type	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift
Soot (Black Carbon)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Char (Carbonized Material)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ash (Carbonized Material)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
pH	7.19	6.82	6.98	7.23	6.97	6.98	7.14	7.24	8.14	7.22

Location	Classroom 5 Top of Round Table	Classroom 2 Top of Student Desk by Window	Classroom 1 Top of Countertop	Portable Classroom 18 Stove Top	Portable Classroom 19 Top of Upright Piano	Portable Classroom 20 Top of Lockers	Kitchen Countertop by Sink	Dining Area Table Top by Door	Stage Top of Grand Piano	Staff Lounge North Countertop by Sink
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Notes										
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Components:

Fibrous Material	x	x	x	x	x	x	x	x	x	x
Fungal Material										
Material Consistent With Carbon Black										
Paint										
Plant Material										
Rubber										
Rust/Metal Flakes		x			x					
Other		x		x						

Samples were analyzed in accordance with ASTM D6602-13: Standard Practice for Sampling & Testing of Possible Carbon Black Fugitive Emissions or Other Environmental Particulate, or Both (modified). Limit of Detection (LOD) is 1.0% and Limit of Quantification (LOQ) is 1.0%. Combustion By-Product (CBP) percentage obtained through calibrated visual estimation (CVE). Char and ash are visually estimated by polarized light microscopy, material transmitted light, and reflected light microscopy analysis, whereas soot is confirmed and visually estimated by TEM (Transmission Electron Microscopy) analysis. The TEM is equipped with an EDS (energy dispersive x-ray spectroscope) for soot elemental composition. *(Soot is presumptive for samples which consist of Tape-lifts only.) The pH is measured to two decimal places via a calibrated pH meter. All samples are disposed of after 30 days unless the customer requests otherwise. Test results apply to the sample as received. Results are not blank corrected. This report shall not be reproduced except in full, without the written approval of the laboratory. This report must not be used by the client to claim product certification, approval, or endorsement by AIHA or any agency of the U.S. Government.



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Customer: Pasadena Unified School District
 351 South Hudson Avenue
 Pasadena, CA 91109

Job Location: Allendale Elementary School
 1135 South Euclid Avenue
 Pasadena, CA 91106

Lab ID	1525011322	1525011323	1525011324
Sample #	21	22	23
Sample Type	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift
Soot (Black Carbon)	N.D.	N.D.	N.D.
Char (Carbonized Material)	N.D.	<1%	N.D.
Ash (Carbonized Material)	N.D.	N.D.	N.D.
pH	7.18	6.84	7.21
Location	Administration Reception Desktop	Dean's Office South Countertop	Classroom 17 Brown Table Top by Window

Notes																			
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Components:

Fibrous Material	x	x	x																
Fungal Material																			
Material Consistent With Carbon Black																			
Paint																			
Plant Material		x																	
Rubber																			
Rust/Metal Flakes																			
Other		x																	

Samples were analyzed in accordance with ASTM D6602-13: Standard Practice for Sampling & Testing of Possible Carbon Black Fugitive Emissions or Other Environmental Particulate, or Both (modified). Limit of Detection (LOD) is 1.0% and Limit of Quantification (LOQ) is 1.0%. Combustion By-Product (CBP) percentage obtained through calibrated visual estimation (CVE). Char and ash are visually estimated by polarized light microscopy, material transmitted light, and reflected light microscopy analysis, whereas soot is confirmed and visually estimated by TEM (Transmission Electron Microscopy) analysis. The TEM is equipped with an EDS (energy dispersive x-ray spectroscope) for soot elemental composition. *(Soot is presumptive for samples which consist of Tape-lifts only.) The pH is measured to two decimal places via a calibrated pH meter. All samples are disposed of after 30 days unless the customer requests otherwise. Test results apply to the sample as received. Results are not blank corrected. This report shall not be reproduced except in full, without the written approval of the laboratory. This report must not be used by the client to claim product certification, approval, or endorsement by AIHA or any agency of the U.S. Government.