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Page 1 of 2



Combustion By-Product (CBP) Laboratory Report

<p>Customer: Pasadena Unified School District 351 South Hudson Avenue Pasadena, CA 91109</p>	<p>Job Location: San Rafael Elementary School 1090 Nithsdale Road Pasadena, CA 91105</p>
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Lab ID	1525010295	1525010296	1525010297	1525010298	1525010299	1525010300	1525010301	1525010302	1525010303	1525010304
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.	<1%	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.	<1%	N.D.	<1%	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	6.94	7.61	8.11	7.86	7.87	7.98	7.96	7.80	7.67	7.54

Location	Classroom B5 - Top of West Bookshelf	Classroom B3 - North Window Sill	Classroom B1 - Top of Table	Classroom 5 - Top of South Door Header	Classroom 6 - Top of Teacher's Desk	Auditorium - South Window Sill	Auditorium - Top of Piano	Classroom 4 - Sink Countertop	Classroom 2 - Top of South Cabinet	Counselor's Office - East Window Sill
Notes										

Notes

Components:	1	2	3	4	5	6	7	8	9	10
Fibrous Material	X	X	X	X	X	X	X	X	X	X
Fungal Material										
Material Consistent With Carbon Black										
Paint										
Plant Material							X		X	
Rubber										
Rust/Metal Flakes			X			X	X	X		X
Other							X			

Sampled: 01/18/2025 Received: 01/19/2024 Analyzed: 01/20/2025 Report: 01/20/2025

Analysts: *Russell Chhith* *Arturo Valdez* Admin QC: CN
 Russell Chhith Arturo Valdez Lab QC: MF

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: San Rafael Elementary School
 #REF!
 1090 Nithsdale Road
 Pasadena, CA 91105

Lab ID	1525010305	1525010306	1525010307	1525010308	1525010309	1525010310	1525010311	1525010312	1525010313	1525010314
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.	<1%	N.D.
Char (Carbonized Material)	N.D.	N.D.	<1%	N.D.	N.D.	N.D.	N.D.	N.D.	<1%	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	7.67	7.49	7.68	7.89	7.69	7.68	7.64	7.66	7.72	7.64

Location	Classroom 15 - Top of Teacher's Desk	Classroom 16 - Top of East Shelf	2nd Floor - Janitor's Closet Floor	Administration Office - Top of Nurse's Desk	Classroom 9 - West Window Sill	Teacher's Lounge - Top of Lockers	Classroom 11 - Top of Storage Shelf	Classroom 12 - Floor By Entry Door	Classroom 8 - South Door Floor	Building 1-4 - Boy's Restroom
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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			X					X	X	
Rubber										
Rust/Metal Flakes							X	X	X	
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.