



**ENVIRO
CHECK**

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Combustion By-Product (CBP) Laboratory Report

Amended Report Original Released Date: 01/20/2025

Reason: Added Samples 26-35

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

Job Location: McKinley K-8 School
325 South Oak Knoll Avenue
Pasadena, CA 91101

Lab ID	1525010376	1525010377	1525010378	1525010379	1525010380	1525010381	1525010382	1525010383	1525010384	1525010385
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.	N.D.	N.D.	N.D.
Char (Carbonized Material)	N.D.	N.D.	N.D.	N.D.	<1%	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	7.37	7.15	7.01	7.46	7.49	7.36	7.32	7.57	7.44	7.18
Location	D-130 - Teachers Desk	D-133 - Countertop	D-132 - North Door Handle	C-226 - East Wall Window Sill	C-232 - Top of Desk	C-227 - Northwest Wall Window Sill	C-220 - Top of Teachers Desk	C-Library - Front Desk	C-123 - Student Desk	C-124 - Window Sill

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				X		X	X
Other			X	X	X	X	X			X

Sampled: 01/19-20 & 23/2025 Received: 1/20 & 24/2025 Analyzed: 01/20/2025 , 01/24/2025 Report: 01/24/2025

Analysts: *Matthew Fonda* *Russell Chitt* *Arturo Valdez* Admin QC: CN
 Matthew Fonda Russell Chitt Arturo Valdez 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: McKinley K-8 School
 325 South Oak Knoll Avenue
 Pasadena, CA 91101

Lab ID	1525010386	1525010449	1525010450	1525010451	1525010452	1525010453	1525010454	1525010455	1525010456	1525010457
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.	<1%	N.D.	N.D.	N.D.	<1%	N.D.	N.D.	<1%
Ash (Carbonized Material)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
pH	7.04	6.90	7.11	7.35	6.95	6.63	6.96	6.93	7.34	7.01
Location	C-128 - Window Sill	A-108 - Student Desk	A-105 - Student Desk	Building A - 1st Floor Stairs Rail	Building A - Office Window Sill East	A-203 - Window Sill West	A-204 - Window Sill East	A-213 - Counter	Building A - 2nd Floor Stairs Rail	B-2 - Counter

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			
Rubber										
Rust/Metal Flakes			x							
Other	x						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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Combustion By-Product (CBP) Laboratory Report

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

Job Location: McKinley K-8 School
 325 South Oak Knoll Avenue
 Pasadena, CA 91101

Lab ID	1525010458	1525010459	1525010460	1525010461	1525010462	1525010874	1525010875	1525010876	1525010877	1525010878
Sample #	21	22	23	24	25	26	27	28	29	30
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.	<1%	N.D.	<1%	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	6.85	7.00	7.10	6.65	6.61	6.67	6.74	6.82	6.83	6.77
Location	B-3 - Window Sill North	B-5 - Desk	B-5 - Window Sill South	Auditorium Mezzanine - Top of Seat	Auditorium Floor - East at Door	Gymnasium - Lobby Trash Countertop	Gymnasium - Lobby Trophy Case Top Shelf	Gymnasium - Bleacher Row B Seat 9	Gymnasium - Bleacher Row M Seat 40	Gymnasium - South Door Rail

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		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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Combustion By-Product (CBP) Laboratory Report

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

Job Location: McKinley K-8 School
 325 South Oak Knoll Avenue
 Pasadena, CA 91101

Lab ID	1525010879	1525010880	1525010881	1525010882	1525010883
Sample #	31	32	33	34	35
Sample Type	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.
Char (Carbonized Material)	N.D.	N.D.	N.D.	N.D.	N.D.
Ash (Carbonized Material)	N.D.	N.D.	N.D.	N.D.	N.D.
pH	6.93	6.77	6.94	6.77	6.58
Location	Girls Locker Room - Office Desktop	Girls Locker Room - Inside Locker 408	Boys Locker Room - East Door Rail	Boys Locker Room - Bench by Locker 543	Boys Locker Room - Office Desk Laptop

Notes										
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Components:

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

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.