



**ENVIRO  
CHECK**

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**Combustion By-Product (CBP) Laboratory Report**

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

Job Location: Longfellow Elementary School  
1065 East Washington Boulevard  
Pasadena, CA 91104

Lab ID	1525011074	1525011075	1525011076	1525011077	1525011078	1525011079	1525011080	1525011081	1525011082	1525011083
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)	<1%	N.D.	N.D.	N.D.	N.D.	N.D.	<1%	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	6.93	7.02	6.73	6.77	7.12	7.05	6.96	6.81	6.85	6.74

Location	Building A - 2nd Floor: Room A200 - Student Desk	Building A - 2nd Floor: Room A202 - South Window Sill	Building A - 2nd Floor: Room A204 - Top of Teacher's Desk	Building A - 2nd Floor: Room A207 - Top of Teacher's Desk	Building A - 2nd Floor: Room A209 - South Window Sill	Building A - 2nd Floor: Room A211 - Top of Student's Desk	Building A - 2nd Floor: Room A206 - East Window Sill	Building A - 2nd Floor: Room A213 - North Window Sill	Building A - 1st Floor: Auditorium - Top of Seat	Building A - 1st Floor: Auditorium - Stage Platform
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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	
Rubber										
Rust/Metal Flakes										X
Other	X	X	X	X	X	X	X	X	X	X

Sampled: 01/26/2025      Received: 01/27/2025      Analyzed: 01/27/2025      Report: 01/27/2025

Analysts: *Arturo Valdez*      *Matthew Fonda*      *Russell Chhith*      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 spectroscopy) 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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 Pasadena, CA 91109

Job Location: Longfellow Elementary School  
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 Pasadena, CA 91104

Lab ID	1525011084	1525011085	1525011086	1525011087	1525011088	1525011089	1525011090	1525011091	1525011092	1525011093
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.	<1%	N.D.	N.D.	N.D.	<1%	<1%	N.D.	<1%
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	7.24	7.28	6.97	7.13	6.84	6.89	7.23	7.10	6.74	6.85

Location	Building A - 1st Floor: Room A112 - West Window Sill	Building A - 1st Floor: Room A114 - Top of Teacher's Desk	Building A - 1st Floor: Room A116 - West Window Sill	Building A - 1st Floor: Room A118A - Library Bookshelf	Building A - 1st Floor: Room A120A - West Window Sill	Building A - 1st Floor: Room A122 - Teacher's Lounge Sink Countertop	Building A - 1st Floor: Room A117 - Inside "Serena's" Box	Building A - Basement: Room A104 - Top of East Cabinet	Building A - Basement: Serving / Kitchen - Top of Serving Counter	Building A - Basement: Room A107 - Top of Desk by Drums
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Notes										
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**Components:**

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

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

Job Location: Longfellow Elementary School  
 1065 East Washington Boulevard  
 Pasadena, CA 91104

Lab ID	1525011094	1525011095	1525011096	1525011097	1525011098	1525011099	1525011100	1525011101	1525011102	1525011103
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	Micro-vac, 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	7.04	6.93	7.03	6.92	6.32	7.19	7.14	7.35	6.87	6.98

Location	Building A - Basement: Room A110 - Top of Teacher's Desk	Building A - Basement: Room A111 - Top of Table by West Window	Building A - Basement: Girl's Restroom - North Window Ledge	Building A - Basement: Cafeteria - Top of Table by South Window	Building B - 1st Floor: Room B102 - Carpet Floor	Building B - 1st Floor: Room B103 - Door Handle	Building B - 1st Floor: Wash Area (B104 / 105) - Top of Towel Dispenser	Building B - 1st Floor: Room B105 - Door Handle	Building B - 2nd Floor: Room B101 - Top of Student's Desk	Building B - 2nd Floor: Room B101D - Top of Counter
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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

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: Longfellow Elementary School  
 1065 East Washington Boulevard  
 Pasadena, CA 91104

Lab ID	1525011104	1525011105	1525011106	1525011107
Sample #	31	32	33	34
Sample Type	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Micro-vac, Tape-lift
Soot (Black Carbon)	N.D.	N.D.	N.D.	N.D.
Char (Carbonized Material)	N.D.	N.D.	N.D.	N.D.
Ash (Carbonized Material)	N.D.	N.D.	N.D.	N.D.
pH	7.22	7.28	7.16	6.58
Location	Building B - 2nd Floor: Room 100 - Top of Teacher's Desk	Building C (Child Center): Room 2	Building C (Child Center): Office - East Window Sill	Building C (Child Center): Room 1 - Top of Carpet

Notes										
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**Components:**

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