

2211 West Orangewood Avenue
 Orange, CA 92868
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 (800) 665-7586



Page 1 of 3

Combustion By-Product (CBP) Laboratory Report

<p>Customer: Pasadena Unified School District 351 South Hudson Avenue Pasadena, CA 91109</p>	<p>Job Location: Jackson Elementary School McLarens File # 002.062481.00.S 593 West Woodbury Road Altadena, CA 91001</p>
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Lab ID	1525011499	1525011500	1525011501	1525011502	1525011503	1525011504	1525011505	1525011506	1525011507	1525011508
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.	N.D.	N.D.	<1%	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	6.96	7.14	6.86	6.98	7.04	6.89	7.10	6.93	6.51	6.70
Location	A100 - Toy Kitchen Set	A111 - Countertop	A110A - Cot Cushion	A120 - Filing Cabinet at Window	A124 - Desk	Library - Bookshelf at Window	Library - Child Table (Top)	A131 - Bookshelf at Window	B103 - Student Desk	B110 - Projector (Top)

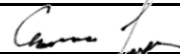

Notes

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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					x					
Rust/Metal Flakes				x						
Other	x	x	x	x	x	x	x	x	x	x

Sampled: 01/28-29/2025 Received: 01/28-29/2025 Analyzed: 01/29/2025 Report: 01/30/2025

Analysts:  Erasmo Lopez  Arturo Valdez Admin QC: KK Lab QC: RCC

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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 Attention: 351 South Hudson Avenue
 Pasadena, CA 91109

Job Location: Jackson Elementary School
 McLarens File # 002.062481.00.S
 593 West Woodbury Road
 Altadena, CA 91001

Lab ID	1525011509	1525011510	1525011511	1525011512	1525011513	1525011514	1525011515	1525011516	1525011517	1525011518
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.	<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	6.62	6.48	6.57	7.86	6.63	6.76	6.18	6.68	6.49	6.63
Location	B105 - Book	B202 - Storage Area Shelf Container	B206 - Teacher's Desk	B208 - Top of Storage by Window	C101 - Stove Countertop	G107 - Piano	G105 - Student Desk by Front Door	G103 - Teacher's Desk Chair	F209 - Countertop	F203 - Student Chair

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										x
Rust/Metal Flakes										
Other	x	x	x	x	x	x	x	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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Job Location: Jackson Elementary School
 McLarens File # 002.062481.00.S
 593 West Woodbury Road
 Altadena, CA 91001

Lab ID	1525011519	1525011520	1525011592	1525011593	1525011594	1525011595	1525011596	1525011597	1525011598
Sample #	21	22	23	24	25	26	27	28	29
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
Soot (Black Carbon)	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.
Ash (Carbonized Material)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
pH	6.72	6.35	7.25	7.39	7.56	7.39	7.36	7.09	7.51
Location	F101 - Teacher's Raised Desk	F104 - Student Desk	P102 - Shelf	Building D - Auditorium Chair	Building D - Stage Floor	Building E - Cafeteria Table at Door	Building E - Kitchen Serving Area Countertop	Building E - Pantry Cart	Building E - Kitchen Countertop at Window

Notes									
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Components:

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