



2211 West Orangewood Avenue
 Orange, CA 92868
 Tel: (714) 937-0750
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 www.envirocheck.com
 (800) 665-7586



Combustion By-Product (CBP) Laboratory Report

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

Job Location: Altadena Arts Magnet School
 Claim #McLarens file # 002.062481.00.S
 743 East Calaveras Street
 Altadena, CA 91001

Lab ID	1525030331	1525030332	1525030333	1525030334	1525030335	1525030336	1525030337	1525030338	1525030339	1525030340
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)	<1%	<1%	<1%	N.D.	N.D.	<1%	<1%	<1%	<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	7.09	7.08	7.06	6.85	7.10	6.92	7.18	6.94	7.27	6.99
Location	Building A - A212 - Tote Box at Window	Building A - A210 - Student Desk	Building A - A205 - Annex Display	Building A - A204 - Library / Media Counter	Building A - Administration Entryway Door West	Building A - A106 - Countertop	Building A - A105 - Tabletop	Building A - Hallway #8 - Bookshelf	Building A - A113 - Window Sill	Building A - A120 - Piano Top

Notes										
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Components:

Fibrous Material	X	X	X	X	X	X	X	X	X	X
Fungal Material										
Paint										
Plant Material										
Rubber										
Rust/Metal Flakes	X									
Other	X	X	X	X	X	X	X	X	X	X

Sampled: 03/03/2025 Received: 03/03/2025 Analyzed: 03/06/2025 Report: 03/06/2025

Analysts: *Matthew Fonda* *Russell Chhitt* Admin QC: MS
 Matthew Fonda Russell Chhitt 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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Lab ID	1525030341	1525030342	1525030343	1525030344	1525030345	1525030346	1525030347	1525030348	1525030349	1525030350
Sample #	11	12	13	14	15	16	17	18	19	20
Sample Type	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	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.	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	7.11	7.23	6.97	N/A	6.90	7.15	7.11	7.06	7.00	7.10
Location	Building A - Hallway 6 - Coffee Table	Building A - A101A - Countertop	Building B - B118 - Half Circle Desk	Building B - B115 - Window Sill	Building B - Hallway 5 - Bookshelf	Building B - B213 - Teachers Desk	Building - B211 - Desk	Building - B110 - Shelf at Window	Building B - B110 - Dressing Table	Building B - B102 - Window Sill

Notes										
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Components:

Fibrous Material	X	X	X	X	X	X	X	X	X	X
Fungal Material										
Paint										
Plant Material						X		X		
Rubber										
Rust/Metal Flakes				X				X	X	
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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Lab ID	1525030351	1525030352	1525030353	1525030354	1525030355	1525030356	1525030357	1525030358	1525030359	1525030360
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)	<1%	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	7.20	7.03	7.22	7.10	7.21	7.23	7.00	7.06	7.17	6.98
Location	Building B - B106 - Shelf Top	Building B - B201 - Teachers Desk	Building B - Hallway 1 - Water Front Ledge	Building B - B209	Bungalow 2 - Desk at Window	Bungalow 4 - Students Desk	Multipurpose Room - Center Table	Food Service - Serving Line	Kitchen - Prep Table	Community Room - Desk

Notes										
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Components:

Fibrous Material	X	X	X	X	X	X	X	X	X	X
Fungal Material										
Paint										
Plant Material		X			X					
Rubber										
Rust/Metal Flakes								X		
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.