



2211 West Orangewood Avenue
 Orange, CA 92868
 Tel: (714) 937-0750
 Fax: (714) 937-0755
 www.envirocheck.com
 (800) 665-7586



Combustion By-Product (CBP) Laboratory Report

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

Job Location: Don Benito Elementary
 3700 Denair Street
 Pasadena, CA 91107

Lab ID	1525010835	1525010836	1525010837	1525010838	1525010839	1525010840	1525010841	1525010842	1525010843	1525010844
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	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.	<1%	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	7.08	7.10	7.11	7.26	6.49	7.03	6.90	6.98	6.84	6.80
Location	Building A - A10 - Bookshelf by Exterior Door	Building A - A7 - Fiction Section Shelf	Building A - A6 - Desk (Top)	Building A - A5 - Window Sill	Building A - A2 - Area Rug	Building A - Nurses Office Desk	Building A - Main Office Chair by Door	Building A - Mail Room Countertop	Building A - Staff Lounge Table Top	Building A - A7 Toy Storage Shelf

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							
Other										

Sampled: 01/23/2025 Received: 01/24/2025 Analyzed: 01/24/2025 Report: 01/24/2025

Analysts: *Russell Chhith* *Arturo Valdez* Admin QC: CN
 Russell Chhith 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 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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Lab ID	1525010845	1525010846	1525010847	1525010848	1525010849	1525010850	1525010851	1525010852	1525010853	1525010854
Sample #	11	12	13	14	15	16	17	18	19	20
Sample Type	Micro-vac, 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.	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	6.64	6.73	6.79	7.03	7.10	6.92	6.86	7.31	6.94	6.76
Location	Building A - 12A/B (13) Bean Bag	Building A - 201 (29) Projector Stand	Building B - Room 19 - Teachers Desk (Computer Stand)	Building B - Room 22 - Top of Storage at Exterior Door	Building B - Room 23 - Student Desk	Building B - Room 26 / Guidance - Shelf	Building C - Cafeteria Floor	Building C - Stage - Stands	Building C - Vestibule - Table	Building C - Serving Area - Countertop

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										

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: Don Benito Elementary
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Lab ID	1525010855	1525010856	1525010857	1525010858	1525010859	1525010860	1525010861	1525010862	1525010863	1525010864
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.	<1%	N.D.	N.D.	N.D.	<1%	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	6.75	6.99	6.64	6.60	6.51	6.97	6.93	6.81	6.56
Location	Building C - Kitchen - Preparation Table	Building C - C106 - Filing Cabinet	Building C - C114 - Window Sill	Building D - D18 - Bookshelf at Window	Building D - D15 - Computer Desktop	P14 - Toy Shelf	30A - Student Desk	Playground Boys Restroom - Mirror Ledge	Room 27 - Top of Piano	P26 - Teachers 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										
Rust/Metal Flakes							X	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.



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Job Location: Don Benito Elementary
 3700 Denair Street
 Pasadena, CA 91107

Lab ID 1525010865

Sample # 31

Sample Type Wipe,
Tape-lift

Soot (Black Carbon) **N.D.**

Char (Carbonized Material) **N.D.**

Ash (Carbonized Material) **N.D.**

pH **7.06**

Location P35 - Student
Desk

Notes																			
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Components:

Fibrous Material	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.