



**ENVIRO  
CHECK**

2211 West Orangewood Avenue  
Orange, CA 92868  
Tel: (714) 937-0750  
Fax: (714) 937-0755  
[www.envirocheck.com](http://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: Octavia E Butler Middle School  
1505 North Marengo Avenue  
Pasadena, CA 91103

Lab ID	1225010567	1225010568	1225010569	1225010570	1225010571	1225010572	1225010573	1225010574	1225010575	1225010576
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.	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	7.40	7.74	7.62	7.34	6.98	7.08	7.63	7.50	7.04	7.67

Location	Building A - Center Entry Stair Rail	Building A - 2nd Floor West Entry Door Handle	Building A - 1st Floor Womens Restroom Towel Dispenser	Building A - A115 - Counselors Desktop	Building A - A142 - Top of Teachers Desk	Building A - A146 - Teachers Desk	Building A - A154 - Teachers Lounge Table	Building A - A207 - Table Top	Building A - A209 - Students Desk	Building A - A211 - Teachers Desk

Notes										
-------	--	--	--	--	--	--	--	--	--	--

**Components:**

Component	1	2	3	4	5	6	7	8	9	10
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	X
Rubber										
Rust/Metal Flakes										
Other	X	X	X	X	X	X	X	X	X	X

Sampled: 01/20/2025      Received: 01/21/2025      Analyzed: 01/21/2025      Report: 01/21/2025

Analysts: *Arturo Valdez*      *Erasmio Lopez*      *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.



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: Octavia E Butler Middle School  
 1505 North Marengo Avenue  
 Pasadena, CA 91103

Lab ID	1225010577	1225010578	1225010579	1225010580	1225010581	1225010582	1225010583	1225010584	1225010585	1225010586
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.	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	6.84	7.48	7.43	7.68	7.38	7.34	7.21	7.74	7.38	7.10
Location	Building A - A222 - Book Shelf Top	Building A - A226 - North Window Sill	Building A - Auditorium - Center Stage Floor	Building A - Auditorium - Row Q Central Chair	Building B - B107 - Table Top	Building B - B110 - Shelf Top at Window	Building B - B202 - Desktop	Building B - B203 - West Sill North	Building B - B96 - Science Lab Countertop	Building B - Science Lab Countertop

Notes										
-------	--	--	--	--	--	--	--	--	--	--

**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	X
Rubber										
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.



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: Octavia E Butler Middle School  
 1505 North Marengo Avenue  
 Pasadena, CA 91103

Lab ID	1225010587	1225010588	1225010589	1225010590	1225010591	1225010592	1225010593	1225010594	1225010595	1225010596
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.	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	8.09	7.14	7.14	7.84	7.93	7.53	7.70	8.11	7.78	7.53
Location	Building C - Kitchen - Prep Counter	Building C - Cafeteria - Serving Line	Building C - Game Room - Table	Building C - Music Room - North Window Sill	Building C - Music Room - Piano Top	Building G - Gym - Door Handle	Building G - Gym - Bleachers Center	Building G - Weight Room - Bench Press	Building G - Dance Room - Window Sill	Building G - G106 - Desktop

Notes										
-------	--	--	--	--	--	--	--	--	--	--

**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				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.