



**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: Sierra Madre Middle School  
160 North Cañon Avenue  
Sierra Madre, CA 91024

Lab ID	1525011009	1525011010	1525011011	1525011012	1525011013	1525011014	1525011015	1525011016	1525011017	1525011018
Sample #	1	2	3	4	5	6	7	8	9	10
Sample Type	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Micro-vac, Tape-lift	Wipe	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.	<1%	N.D.	<1%	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	7.23	7.09	7.18	6.77	6.79	7.05	7.08	6.94	6.71	7.06
Location	A101 Top of Reception Desk	A133 Top of Principal's Desk	Building A Stairwell Top of Metal Threshold	A201 Carpet Floor (Adjacent to East Exit)	B202 Top of Couch (Mezzanine)	B101 Top of Reception Desk	B101 Top of West Window Sill	B105 Top of Bookcase	F200 Top of Vinyl Tile Floor (By Door)	F215 Top of Cabinet

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

**Components:**

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

Sampled: 01/25/2025      Received: 01/26/2025      Analyzed: 01/26/2025      Report: 01/27/2025

Analysts: *Matthew Fonda*      *Russell Chitt*      Admin QC: CN  
Matthew Fonda      Russell Chitt      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.



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: Sierra Madre Middle School  
 160 North Cañon Avenue  
 Sierra Madre, CA 91024

Lab ID	1525011019	1525011020	1525011021	1525011022	1525011023	1525011024	1525011025	1525011026	1525011027	1525011028
Sample #	11	12	13	14	15	16	17	18	19	20
Sample Type	Wipe, Tape-lift	Micro-vac, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Micro-vac, 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.	<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	7.04	6.94	7.04	6.97	7.03	6.92	7.41	7.01	7.46	6.95
Location	F201 Top of Teacher's Counterop	F205 Carpet Floor (Adjacent to Entry)	F125 Top of Lounge Chair	F124 Top of Desk	F119 Top of Freezer	F110 Top of Floor Mat	1st Floor of Building F Girl's Restroom Tile Floor	E101 Top of Student's Desk (Center)	E112 Carpet Floor (Adjacent to Entry)	E109 Top of Teacher's Desk

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

**Components:**

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



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: Sierra Madre Middle School  
 160 North Cañon Avenue  
 Sierra Madre, CA 91024

Lab ID	1525011029	1525011030	1525011031	1525011032	1525011033	1525011034	1525011035	1525011036	1525011037	1525011038
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	6.96	6.94	7.15	7.22	6.94	7.17	6.95	6.95	6.82	7.16

Location	E209 Top of Bookcase	E205 Top of Countertop	E212 Top of Student's Desk (Front)	E201 Top of Instructor's Podium	D101 East Entry Concrete Floor	D101 Top of Bleacher Seat	D101 Top of Water Fountain	D115 Top of Bookshelf	Building D Boy's Locker Room Top of Bench	C101 Vinyl Floor (Adjacent to West Entry)
----------	----------------------	------------------------	------------------------------------	---------------------------------	--------------------------------	---------------------------	----------------------------	-----------------------	---	---

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

**Components:**

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



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: Sierra Madre Middle School  
 160 North Cañon Avenue  
 Sierra Madre, CA 91024

Lab ID	1525011039	1525011040	1525011041	1525011042	1525011043
Sample #	31	32	33	34	35
Sample Type	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.
Char (Carbonized Material)	<1%	<1%	N.D.	N.D.	N.D.
Ash (Carbonized Material)	N.D.	N.D.	N.D.	N.D.	N.D.
pH	7.10	6.88	6.71	6.82	7.08
Location	C102 Center Stage Platform	C116 Serving Countertop	C117 Top of Freezer Lid	C121 Top of Piano Lid Cover	C126 Top of Drum Seat

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

**Components:**

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