



**ENVIRO  
CHECK**

2211 West Orangewood Avenue  
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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: Field (Eugene) Elementary  
3600 East Sierra Madre Boulevard  
Pasadena, CA 91107

Lab ID	1525010737	1525010738	1525010739	1525010740	1525010741	1525010742	1525010743	1525010744	1525010745	1525010746
Sample #	1	2	3	4	5	6	7	8	9	10
Sample Type	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	Wipe, Tape-lift	Wipe, Tape-lift
Soot (Black Carbon)	N.D.	N.D.	N.D.	N.D.	<1%	N.D.	N.D.	N.D.	N.D.	N.D.
Char (Carbonized Material)	N.D.	N.D.	<1%	N.D.	N.D.	<1%	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	6.67	7.40	6.84	6.98	7.01	6.98	7.21	6.84	7.29	6.84
Location	Portable I26 - Top of Student Desk	Portable J28 - Teachers Desk by Window	Portable K29 - Carpet Floor by Door	Building C - Room C21: Teachers Desk by North Window	Building C - Room C20: Floor by South Door	Building C - Room C22: Top of Student Desk	Building C - Restroom C103/106: Top of Partition Wall	Building C - Room C100: North Bookshelf	Building B - Room B13: Top of Student Desk	Building B - Room B14: Top of Teachers Desk

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

Sampled: 01/22/2025      Received: 01/23/2025      Analyzed: 01/23/2025      Report: 01/23/2025

Analysts: *Arturo Valdez*      *Russell Chhitt*      Admin QC: MS  
-Arturo Valdez      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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Job Location: Field (Eugene) Elementary  
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 Pasadena, CA 91107

Lab ID	1525010747	1525010748	1525010749	1525010750	1525010751	1525010752	1525010753	1525010754	1525010755	1525010756
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.	<1%	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.	<1%	<1%	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	7.14	6.89	7.31	7.53	7.20	7.28	7.33	7.27	7.72	7.33
Location	Building B - Room B15: Floor by North Door	Building B - Room B18: Top of North Book Shelf	Building B - Room B19: West Cabinets	Building B - Girls Restroom: Top of Vanity Ledge	Building A - Room A1: Hardwood Floor (Center)	Building A - Room A4: Top of North Closet	Building A - Room A5: North Window Sill	Building A - Room A7: Top of North Book Shelf	Building A - Room A9: Top of Student Desk	Building A - Room A12: Top of Teachers Desk

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	x	x	x	x	x
Other					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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 Pasadena, CA 91107

Lab ID	1525010757	1525010758	1525010759	1525010760	1525010761	1525010762	1525010763	1525010764	1525010765	1525010766
Sample #	21	22	23	24	25	26	27	28	29	30
Sample Type	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	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	7.36	7.27	7.27	6.86	6.84	7.07	7.06	7.22	7.01	7.08
Location	Building A - Boys Restroom: Top of Sink	Building A - Room A107: Top of Staff Desk	Building D - Office D101: Top of Desk	Building D - Principal D111: Carpet Floor	Building D - Conference D104: North File Cabinet Top	Building E - Auditorium: Stage Platform	Building E - Room E103: Top of East Book Shelf	Building E - Kitchen/Cafeteria: Top of Cooking Counter	Portable H25: Top of Student Desk	Portable L: Top of North Computer Desk

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		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.