



**ENVIRO
CHECK**

2211 West Oranewood Avenue
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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
351 South Hudson Avenue
Pasadena, CA 91109

Job Location: Audubon Elementary
725 West Altadena Drive
Altadena, CA 91001

Lab ID	1525011364	1525011365	1525011366	1525011367	1525011368	1525011369	1525011370	1525011371	1525011372	1525011373
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.	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	6.74	6.87	7.52	6.91	7.43	7.39	7.10	7.34	7.09	6.87

Location	Portable M Room P - West Window Sill	Portable M Room R - Top of Bookshelf	Portable J Office - File Cabinet	Portable K Classroom - East Window Sill	Portable I Classroom - East Floor at Door	Portable H Classroom - Student Desk	Building C Room 8 - North Bookcase	Building C Room 10 - South Cabinet at Door	Building C Girl's Restroom - Top of Sink	Building G Room 11 - Teacher's Desk
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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										

Sampled: 01/27/2025 Received: 01/28/2025 Analyzed: 01/28/2025 Report: 01/28/2025

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 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 91109

Job Location: Audubon Elementary
 725 West Altadena Drive
 Altadena, CA 91001

Lab ID	1525011374	1525011375	1525011376	1525011377	1525011378	1525011379	1525011380	1525011381	1525011382	1525011383
Sample #	11	12	13	14	15	16	17	18	19	20
Sample Type	Wipe, Tape-lift	Wipe, Tape-lift	Micro-vac, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Wipe, Tape-lift	Micro-vac, 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	7.12	7.01	6.96	7.22	7.42	7.43	6.80	7.40	7.62	7.44
Location	Building G Room 13 - North Cabinet	Building B Room 5 - Top of Cubby	Building B Room 7 - Center Carpet Floor	Building A Room 4 - North Shelf at Window	Building A Room 3 - Student's Desk	Building A Room 1 - Teacher's Desk	Building E Room A - Area Rug	Building E Room B - East Cabinet at Door	Building E Restroom - Top of Sink	Building F Room 32 - Conference Table

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			
Other							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	1525011384	1525011385	1525011386	1525011387	1525011388	1525011389	1525011390
Sample #	21	22	23	24	25	26	27
Sample Type	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.
Char (Carbonized Material)	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.
pH	7.31	7.26	7.04	7.40	7.73	7.27	6.75
Location	Building F Room 24 - Top of Desk	Building F Room 28 - Principal's Desk	Building G Teacher Lounge Women's Restroom - Top of Cabinet	Building G Teacher Lounge Kitchen - Top of Counter	Building G Auditorium - Center Stage Floor	Building G Cafeteria - Lunch Table	Building G Kitchen - Top of Sink

Notes										
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Components:

Fibrous Material	X	X	X	X	X	X	X			
Fungal Material										
Material Consistent With Carbon Black										
Paint										
Plant Material		X								
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.