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**ENVIRO
CHECK**

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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: Sierra Madre Elementary School
141 West Highland Avenue
Sierra Madre, CA 91024

Lab ID	1525010669	1525010670	1525010671	1525010672	1525010673	1525010674	1525010675	1525010676	1525010677	1525010678
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	Micro-vac, 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)	<1%	<1%	N.D.	<1%	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	7.57	7.41	7.76	7.53	7.26	7.25	7.35	7.44	7.49	7.10
Location	Building A - Teacher's Lounge: East Window Sill	Building A - Kitchen	Building A - Auditorium: Top of Seat	Building A - Auditorium: Hardwood Floor of Stage	Building A - Library: Top of North Bookshelf by Window	Building A - Office 206: Psychologist Desk	Building A - Room 203: Top of Student Desk (Central)	Building A - Room 204: Teacher's Desk (West)	Building A - Room 201: North Window Sill by Bins	Building A - Room 103: Carpet Floor by North Window

Notes										
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Components:

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

Sampled: 01/21/2025 Received: 01/22/2025 Analyzed: 01/22/2025 Report: 01/22/2025

Analysts: Erasmo Lopez Arturo Valdez Admin QC: CN Lab QC: RCC

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

Job Location: Sierra Madre Elementary School
 141 West Highland Avenue
 Sierra Madre, CA 91024

Lab ID	1525010679	1525010680	1525010681	1525010682	1525010683	1525010684	1525010685	1525010686	1525010687	1525010688
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	Micro-Vac, 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.	<1%	<1%	<1%	<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	7.38	7.39	7.57	7.29	7.45	7.41	7.57	7.84	7.13	6.98
Location	Building A - Room 104: Top of East Bookshelf	Building A - Room 111: Teacher's Desk by North Window	Building A - Room 112: (Main Office) West Desk Near Window	Building A - Room 105: Top of Student Desk	Building B - Room 176: Top of East Bookshelf by Window	Building B - Room 175: Teacher's Desk	Building B - Room 178: Top of Student Desk	Building B - Room 181: Custodial Office Table	Building B - Room 278: Teacher's Desk (East)	Building B - Room 276: Top of Carpet

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	x			
Rubber			x							
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.



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 351 South Hudson Avenue
 Pasadena, CA 91109

Job Location: Sierra Madre Elementary School
 141 West Highland Avenue
 Sierra Madre, CA 91024

Lab ID	1525010689	1525010690	1525010691	1525010692	1525010693	1525010694	1525010695	1525010696	1525010697
Sample #	21	22	23	24	25	26	27	28	29
Sample Type	Wipe, 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.
Char (Carbonized Material)	N.D.	N.D.	N.D.	<1%	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.
pH	7.70	6.85	7.40	7.14	7.46	7.03	7.33	6.54	7.11
Location	Building B - Room 277: Student Desk	P1: North Window Ledge	P1: Top of Student Desk	Building C - Room 121: Top of Teacher's Desk	Building C - Room 123: Vinyl Floor by East Door	Building C - Room 124: Top of Student Desk	Building C - Room 126: Countertop of Sink	Building C - Room 127: Carpet Near South Door	Building C - Room 127: Table by West Entry

Notes									
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Components:

Fibrous Material	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		
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.