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Page 1 of 2



Combustion By-Product (CBP) Laboratory Report

<p>Customer: Pasadena Unified School District 351 South Hudson Avenue Pasadena, CA 91109</p>	<p>Job Location: Celeveland Elementary 524 Palisade Street Pasadena, CA 91103</p>
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Lab ID	1525010628	1525010629	1525010630	1525010631	1525010632	1525010633	1525010634	1525010635	1525010636	1525010637
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	Micro-vac, 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.	<1%	N.D.
Char (Carbonized Material)	<1%	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	7.81	7.40	7.57	7.69	7.65	7.83	8.07	7.46	7.61	8.34

Location	Building A - Restroom West Side Entry Floor	Building A - Teachers Lounge Table Top	Building A - Classroom 141 Top of East File Cabinet	Building A - Classroom 132 West Entry Floor	Building A - Ms. Olga Room 130	Building A - Pat Guzman Room 146 Top of Desk	Building A - Administration Countertop	Building A - Principals Office Carpet Entry Floor	Building A - Classroom 104 Front Row Center Desktop	Building A - Classroom 106 Entry Floor
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Notes										
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Components:										
Fibrous Material	x	x	x	x	x	x	x	x	x	x
Fungal Material	x									
Material Consistent With Carbon Black										
Paint										
Plant Material	x									
Rubber										
Rust/Metal Flakes	x									
Other	x									

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

Analysts: *Arturo Valdez* *Russell Chhitt* Admin QC: CN
 -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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Customer: Pasadena Unified School District
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 Pasadena, CA 91109

Job Location: Celeveland Elementary
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 Pasadena, CA 91103

Lab ID	1525010638	1525010639	1525010640	1525010641	1525010642	1525010643	1525010644	1525010645	1525010646	1525010647
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	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.	<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	7.94	8.23	7.37	8.51	7.77	7.61	7.93	7.80	7.88	7.73
Location	Building A - Classroom 105 Teachers Desk	Building A - Room 112 Floor	Building A - Library Kitchen Shelf	Building A - Library Operations West Sill	Building A - Room 120 Student Desk	Building B - Room B100 Entry Vinyl Floor	Building B - Room B100 Sink Countertop	Building B - Room B102 Bookshelf by Entry	Building B - Room B105 Entry Floor at Door	Building B - Room B108 Top of Mario's 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		
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.