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 (800) 665-7586



**Combustion By-Product (CBP) Laboratory Report**

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

Job Location: Blair High School  
 1201 Sough Marengo Avenue  
 Pasadena, CA 91106

Lab ID	1525010219	1525010220	1525010221	1525010222	1525010223	1525010224	1525010225	1525010226	1525010227	1525010228
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.	<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	6.79	6.85	6.92	7.00	6.55	6.98	7.05	7.27	6.67	6.97

Location	Building G 1st Floor - Boy's Locker Room - Top of South Bench	Building G 1st Floor - Girl's Locker Room - Ledge by First Aid	Building G 1st Floor - Weight Room - Top of Bench Press	Building G 1st Floor - Southwest Entry Door Handle at G102A	Building G 1st Floor - East Floor at G102A - Entry Door	Building G 2nd Floor - East Floor at Door	Building G 2nd Floor - Center Floor	Building G 2nd Floor - West Section - Top of Ceiling Fan	Building G 2nd Floor - South Bleacher - Center Floor	Building G 2nd Floor - North Bleacher Seats
Notes										

**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			X
Rubber										
Rust/Metal Flakes				X						
Other	X	X	X	X	X	X	X	X	X	X

Sampled: 01/18/2025      Received: 01/18/2025      Analyzed: 01/19/2025      Report: 01/20/2025

Analysts: *Matthew Fonda*      *Erasmio Lopez*      Admin QC: CN  
 Matthew Fonda      Erasmio Lopez      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 spectroscopy) 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: Blair High School  
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 Pasadena, CA 91106

Lab ID	1525010413	1525010414	1525010415	1525010416	1525010417	1525010418	1525010419	1525010420	1525010421	1525010422
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	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.	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	7.51	7.38	7.24	7.13	6.98	7.23	7.33	7.20	6.69	6.86
Location	Building A - Room A-304 Top Desk	Building A - Room A-307 South Door	Building A - Room A-312 Top Desk	Building A - Room A-318 Teacher Desktop	Building A - Room A-211 Bookshelf	Building A - Room A-214 North Floor Entry	Building A - Room A-206 Bookshelf	Building A - Room A-209 Top of Teacher Desk	Building A - Library West Entry 136	Building A - Library A-136 Checkout 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	
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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Lab ID	1525010423	1525010424	1525010425	1525010426	1525010427	1525010428	1525010429	1525010430	1525010431
Sample #	21	22	23	24	25	26	27	28	29
Sample Type	Wipe, Tape-lift	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
Soot (Black Carbon)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Char (Carbonized Material)	<1%	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.
pH	6.92	6.90	7.31	6.74	6.67	7.18	7.10	6.93	6.79
Location	Building A - Student Dining A-145 East Entry	Building A - Kitchen A-148 Sink	Building A - Corridor A-115 East Exit Door	Building A - Corridor A-151 Handle East Entry	Building A - Reception A-104 Entry	Building A - Faculty Lounge A-163 Desk	Building A - Digital Media A-184 East Door	Building A - Counselor Office A-121 Front Desk	Building A - Family Resource A-131 Center

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									
Rubber									
Rust/Metal Flakes									
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.