



**ENVIRO  
CHECK**

2211 West Orangewood Avenue  
Orange, CA 92868  
Tel: (714) 937-0750  
Fax: (714) 937-0755  
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: Willard Elementary School  
301 Madre Street  
Pasadena, CA 91107

Lab ID	1525010387	1525010388	1525010389	1525010390	1525010391	1525010392	1525010393	1525010394	1525010395	1525010396
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	6.55	6.50	6.65	7.08	6.68	6.83	6.89	6.65	6.57	6.50
Location	Building A Class 102 Desk	Building A Class 105 Window Sill East	Building A Class 108 Window Sill West	Building A Class 110 Desk	Building A Class 208 Window Sill East	Building A Class 212 Counter	Building A Class 217 Window Sill West	Building A Class 220 Desk	Building B Class 3 Window Sill North	Building B Class 5 Counter

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

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

Analysts: Erasmo Lopez      Matthew Fonda      Admin QC: CN      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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Job Location: Willard Elementary School  
 301 Madre Street  
 Pasadena, CA 91107

Lab ID	1525010397	1525010398	1525010399	1525010400	1525010401	1525010402	1525010403	1525010404	1525010405	1525010406
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.	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.	<1%	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	6.61	6.82	7.22	6.72	6.77	6.64	6.78	6.84	6.90	6.75
Location	Building C Class 401 Desk	Building C Class 403 Door Handle South	Building C Class 405 Counter	Building D Cafeteria Door Handle North	Building D Desk	Building E Library Window Sill West	Building E Book Shelf	Building G Class 17 Desk	Auditorium Desk	Auditorium Door Handle North

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	X	X		
Rubber										
Rust/Metal Flakes										
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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 Pasadena, CA 91109

Job Location: Willard Elementary School  
 301 Madre Street  
 Pasadena, CA 91107

Lab ID	1525010407	1525010408
Sample #	21	22
Sample Type	Wipe, Tape-lift	Wipe, Tape-lift
Soot (Black Carbon)	N.D.	N.D.
Char (Carbonized Material)	N.D.	N.D.
Ash (Carbonized Material)	N.D.	N.D.
pH	6.91	7.09
Location	Auditorium Seat	Auditorium Mezzanine

Notes																			
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**Components:**

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