



2211 West Oranewood Avenue
 Orange, CA 92868
 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: Daniel Webster Elementary School
 2101 East Washington Boulevard
 Pasadena, CA 91104

| Lab ID | 1525010597 | 1525010598 | 1525010599 | 1525010600 | 1525010601 | 1525010602 | 1525010603 | 1525010604 | 1525010605 | 1525010606 |
|----------------------------|--|------------------------------------|--------------------------------------|--|---------------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|---------------------------------|------------------------------------|
| Sample # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Sample Type | 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 | Wipe, Tape-lift | Wipe, Tape-lift |
| Soot (Black Carbon) | N.D. | <1% | <1% | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Char (Carbonized Material) | N.D. | N.D. | <1% | 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 | 6.88 | 7.00 | 7.49 | 7.06 | 7.07 | 7.34 | 7.55 | 7.35 | 7.05 | 7.64 |
| Location | Building A Cafeteria - Food Service Countertop | Building A Cafeteria - Lunch Table | Building A Kitchen - Exit Door Floor | Building A Auditorium - Floor By Exit Door | Building A Auditorium - Audience Seat | Building A Auditorium - Stage Floor | Building A Room #117 - Teacher's Desk | Building A Room #113 - Student's Desk | Building A Room #111B - Cabinet | Building A Room #111 - Office 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 | | | X | | | | | | | |
| Rubber | | | | | | | | | | |
| Rust/Metal Flakes | | | X | | | | | | | |
| Other | | | | X | | X | X | X | X | X |

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

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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Job Location: Daniel Webster Elementary School
 2101 East Washington Boulevard
 Pasadena, CA 91104

| Lab ID | 1525010607 | 1525010608 | 1525010609 | 1525010610 | 1525010611 | 1525010612 | 1525010613 | 1525010614 | 1525010615 | 1525010616 |
|----------------------------|---------------------------------------|----------------------------------|----------------------------------|------------------------------------|---|----------------------------------|-------------------------------------|-------------------------------------|---------------------------------------|---------------------------------|
| 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. | 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 | 7.54 | 7.17 | 7.07 | 7.40 | 7.42 | 7.01 | 7.13 | 7.03 | 7.01 | 6.49 |
| Location | Building A Room #107 - Teacher's Desk | Building A Room #104 - Bookshelf | Building A Supplies - Countertop | Building A Principal Office - Desk | Building A Room #123 - Computer on Desk | Building A Room #201 - Bookshelf | Building A Room #204 - File Cabinet | Building A Room #205 - Student Desk | Building A Room #211 - Teacher's Desk | Building A Room #215 - Bookcase |

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| Notes | | | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|--|--|

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 | | | | | | | | X | | |
| Other | X | X | X | X | X | X | X | X | X | X |

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Job Location: Daniel Webster Elementary School
2101 East Washington Boulevard
Pasadena, CA 91104

| Lab ID | 1525010617 | 1525010618 | 1525010619 | 1525010620 | 1525010621 | 1525010622 | 1525010623 | 1525010624 | 1525010625 | 1525010626 |
|----------------------------|---|-------------------------------------|-----------------------------|---------------------------|---------------------------------------|------------------------------------|--------------------------------------|-------------------------------------|---------------------------------------|--------------------------------|
| Sample # | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 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. | <1% | N.D. | N.D. | N.D. | N.D. | N.D. | <1% | 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 | 7.21 | 6.98 | 7.24 | 7.13 | 7.15 | 6.97 | 6.84 | 6.58 | 7.54 | 7.21 |
| Location | Building A Room #216 - Storage Closet Shelf | Building A Room #219 - Student Desk | Building B - B6 Entry Floor | Building B - B7 Table Top | Building B - B8 Office Desk By Window | Building G Room #164 - Window Sill | Building G Room #162 - Floor By Door | Building G Room #160 - File Cabinet | Building G Room #157 - Teacher's Desk | Building G Library - Bookshelf |

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|-------|--|--|--|--|--|--|--|--|--|--|
| Notes | | | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|--|--|

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 |

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 Pasadena, CA 91104

Lab ID 1525010627

Sample # 31

Sample Type Wipe,
Tape-lift

Soot (Black Carbon) **N.D.**

Char (Carbonized Material) **N.D.**

Ash (Carbonized Material) **N.D.**

pH **7.70**

Location Building G
Library -
Reception
Desk

| | | | | | | | | | | | | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Notes | | | | | | | | | | | | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

Components:

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

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