Report Number: 1894568

Analysis Report prepared for:

PRO-LAB

1675 N COMMERCE PARKWAY
WESTON, FL 33326

Phone :(954) 384-4446

Received: 09/22/2025
Reported: 09/22/2025

We would like to thank you for trusting Pro-Lab, INC for your analytical needs!
We received 1 sample in good condition for this project on 09/22/2025.

All samples submitted for analysis were deemed to be in acceptable condition unless otherwise specified in the Comments section associated with each sample. The analytical results provided pertain solely to the samples received by the laboratory. Metrics such as volumes, flow rates, and sampling areas are supplied by the client and may impact the accuracy and interpretation of the results. PRO-LAB®/SSPTM disclaims any responsibility for sample collection procedures, limitations of analytical methods, or inaccuracies in publicly available information used in the analysis. No express or implied warranties are provided, and PRO-LAB®/SSPTM is not liable for any developments beyond the scope of this analysis or for the client's use of the analysis results.

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Diana Sauri
Laboratory Director
Pro-Lab, INC.

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WESTON, FL 33326

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Analysis Method	6110 Air Direct Examination	INTENTIONALLY BLANK	INTENTIONALLY BLANK	INTENTIONALLY BLANK
Location	KITCHEN			
COC-Line #	1894568-1			
Sample Type	PRO-15 PARTICULATE			
Volume	150.00L			
Serial Number	Q12345567			
Collection Date	**Sep 19, 2025**			
Analysis Date	**Sep 22, 2025**			

Identification	Raw Count	Particles Per m^3	Percent of Total
Animal Hair	4	27	4%
Ash	4	27	4%
Cellulose Fiber	4	27	4%
Copy Toner	4	27	4%
Dust Mites	4	27	4%
Dust Particles	4	27	4%
Feather Barbules	4	27	4%
Fiberglass	4	27	4%
Fibers-Cotton	4	27	4%
Fibers-Synthetic	4	27	4%
Gypsum Board Debris	4	27	4%
Human Hair	4	27	4%
Insect Fragments	4	27	4%
Mineral Wool	4	27	4%
Paint	4	27	4%
Pet Dander	4	27	4%
Plant Fragments	4	27	4%
Pollen	4	27	4%
Sea Salt Aerosol	4	27	4%
Silica	4	27	4%
Skin Cells	4	27	4%
Soil	4	27	4%
Soot	4	27	4%
Starch Grains	4	27	4%
Total	96	648	100%
Background Debris	Light		

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Identification	Description
Cellulose Fiber	Organic fibers derived from plant material, typically found in products like paper, textiles, and insulation. These fibers are lightweight, biodegradable, and commonly present in indoor dust.
Fiberglass	Thin strands of glass woven together, primarily used for insulation in buildings and various industrial applications. Fiberglass particles can be airborne irritants, posing risks to the respiratory system when inhaled.
Insect Fragments	Tiny pieces of insect exoskeletons, such as wings, legs, or antennae, often found in dust. These fragments can accumulate in homes and buildings and may contribute to indoor allergens.
Dust Mites	Microscopic arachnids that thrive in warm, humid environments, commonly found in bedding and upholstered furniture. Their waste products and dead bodies are major contributors to indoor allergies.
Pollen	Fine powdery grains released by plants as part of their reproductive cycle. Pollen particles are a common allergen, especially during seasonal changes, and can be carried into homes by wind or pets.
Plant Fragments	Small pieces of plant material, such as leaves, stems, or seeds, that can be carried indoors. These fragments can accumulate in dust and may be a source of allergens or debris.
Soot	Fine black particles produced by the incomplete combustion of carbon-containing materials such as wood, coal, or oil. Soot can be harmful when inhaled, contributing to respiratory issues and poor air quality.
Soil	Small particles of dirt and organic material typically tracked indoors from outside. Soil particles contribute to household dust and can carry microorganisms, pollen, or pollutants.
Copy Toner	Fine powder used in photocopiers and laser printers to form text and images on paper. Toner particles can become airborne and may be an irritant if inhaled in large quantities.
Paint	Small chips or particles from painted surfaces, often found in older homes or areas undergoing renovation. Paint particles can contain chemicals or lead in older paints, posing health risks.
Ash	Fine residue left after the combustion of materials such as wood, paper, or tobacco. Ash particles can become airborne, contributing to poor indoor air quality and respiratory irritation.
Dust Particles	A general term for tiny particles of various origins, including skin, soil, plant material, and pollutants. Dust particles are a common component of household air and can carry allergens or irritants.
Mineral Wool	A fibrous material made from molten rock or slag, used in insulation and soundproofing. Mineral wool particles can become airborne during installation or damage, potentially irritating the respiratory system.

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Identification	Description
Skin Cells	Dead cells that are regularly shed from the outer layer of skin, contributing to dust accumulation. Both human and animal skin cells are common components of household dust.
Pet Dander	Tiny, even microscopic, flakes of skin shed by animals with fur or feathers. Dander can trigger allergic reactions in sensitive individuals and is often carried through the air in indoor spaces.
Fibers-Cotton	Natural fibers harvested from the cotton plant, commonly found in textiles and clothing. Cotton fibers can become airborne, contributing to dust and lint in indoor environments.
Fibers-Synthetic	Man-made fibers such as nylon, polyester, or acrylic, commonly used in textiles and industrial applications. These fibers can break down into small particles, contributing to indoor dust and air pollutants.
Starch Grains	Microscopic granules of starch found in food and plant matter. These grains can be present in kitchen dust or food-processing areas and may contribute to indoor particulate matter.
Feather Barbules	Tiny, hair-like structures on feathers that help in keeping the feathers smooth and aligned. Feather barbules can be shed by birds and contribute to dust and potential allergens.
Gypsum Board Debris	Small particles from gypsum-based drywall, often released during construction, renovation, or damage. These particles can become airborne, causing respiratory irritation if inhaled in large quantities.
Animal Hair	Fine strands or fibers originating from the fur, coat, or mane of animals, often found in environments with pets or wildlife.
Human Hair	Strand-like keratin fibers growing from the scalp and other parts of the human body, commonly found in living spaces, salons, and textiles.
Silica	A naturally occurring mineral composed of silicon and oxygen, commonly found in sand, quartz, and various construction materials. It is often present in dust and can pose respiratory hazards when inhaled as fine particles.
Sea Salt Aerosol	Sea Salt Aerosol consists of microscopic salt particles, ranging from nanometers to micrometers, released into the air by ocean waves and sea spray.