



AIR FILTER REPORT

Name: Test thetest
Address: [REDACTED]
Email: [REDACTED]
Order #: TYW-TYWP00001-00001
Sample ID: TYW-20251229-0K7J

1. Your Home's Air Snapshot

We analyzed the particles trapped in your hvac after 3-6 months in your 3,000 - 4,000 sq ft (ZIP 48187). Your results show some moisture indicators and common outdoor mold spores along with pollen and dust.

2. What We Found & What It Means

Category	Status	What This Means
Outdoor Molds	Present	38 spores (Cladosporium, Alternaria) — normal outdoor infiltration.
Water-Damage Molds	Present	Moisture indicators detected. Monitor humidity levels.
Indoor Molds (Asp/Pen)	Present	794 spores. Slightly elevated.
Growth Indicators	Present	78 hyphae — monitor humidity.
Total Spore Level	Low	Complete registration for detailed calculations.

3. Your Local Context

Current Outdoor Air Quality

AQI: 83 (Excellent air quality)

PM2.5: 4.54 MICROGRAMS_PER_CUBIC_METER

Current Pollen Levels

Unknown

Unknown

Unknown

Your Home: 3,000 - 4,000 sq ft single family house • 4 occupants • HVAC

4. Recommendations

- **Stachybotrys within background range** — Low levels of black mold detected, within normal background infiltration range. No immediate action needed - maintain good ventilation.
- **Consider improving ventilation** — Moderate Aspergillus/Penicillium levels detected. Improve ventilation and consider adding air purification.
- **Change filters regularly — replace every 3 months** — Based on your home conditions (continuous operation loads filters faster), we recommend changing your HVAC every 75 days to maintain optimal air quality.
- **Upgrade or add filtration** — Consider upgrading to MERV 11-13 filters for better mold spore capture. You might also add a HEPA air purifier for bedrooms or high-use areas.
- **Control indoor humidity** — Keep humidity between 30-50% using dehumidifiers in damp areas. Run bathroom and kitchen exhaust fans for 15-20 minutes after use.
- **Monitor for mold growth** — Fungal hyphae present. This can indicate active mold growth - monitor humidity levels carefully.
- **Routine cleaning** — Use a HEPA vacuum weekly and dust with a damp cloth. Control dust near filter intakes and return vents.

Understanding Your Results - QFF Methodology

Test Your World uses **Quantitative Filter Forensics (QFF)** which analyzes HVAC filters that have been collecting particles for 30-90+ days. Unlike traditional air sampling methods, **we do not take an outdoor control sample**.

What this means: Traditional methods compare indoor vs. outdoor counts to determine if there's an indoor source. Without an outdoor control, we must assume some level of outdoor infiltration is normal and expected. Any filter that has been in use will capture SOME outdoor spores that infiltrated the building.

Background thresholds applied: Low counts of even "dangerous" molds like Stachybotrys (≤ 10 spores), Chaetomium (≤ 15 spores), and Fusarium (≤ 20 spores) are expected and do NOT indicate an indoor mold problem. Common outdoor molds like Cladosporium (≤ 500 spores), Ascospores ($\leq 2,000$ spores), and Basidiospores ($\leq 1,000$ spores) at these levels confirm normal ventilation is working.

Disclaimer: This is a screening tool for informational purposes only and is not a medical test. Results are based on debris found in your filter sample and are not a substitute for professional advice. Spore calculations are estimates based on your registration data. Missing or incomplete registration information may affect accuracy. Because we cannot compare to outdoor levels, our risk thresholds are adjusted higher than traditional indoor air quality assessments. Always consult a certified mold professional for concerns about mold in your home.

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Questions? Email us at support@testyourworld.com