

AirCheckup ASBESTOS Report

Sampler ID: 132065

Test Start: 19.04.2022 08:12:00

Report Date: 09.09.2022

Test End: 20.04.2022 12:10:00

Exposure: 1 days, 3 hours, 58 minutes

SCOPE:

This report compares test results to benchmark limits based on average test results from our database. IMPORTANT: Test results which are elevated may still be within legal or allowable limits. However, we recommend that test results marked as elevated in this report be investigated since they are higher than normal or expected values.

INDEX: Test results are shown as a percentage of the benchmark limit. For example, a test result of 50 indicates that the result is half of the limit. A result of 200 means that the test result is twice as high as the limit. If the test result is ≤ 100 it is OK (green). If the test result is > 100 it is elevated (yellow).



OK



Elevated (higher than normal)

Fine Particulates:

Fine particulates are so small that they effectively act as a gas. Sources include contamination from laser printers, asbestos, combustion byproducts (e.g. smoke) and improper maintenance procedures (e.g. use of vacuum cleaners with inadequate filtration).



PM10: 189.0% PM10: Particulate matter 10 micrometers or less in diameter.



PM2.5: 200.8% PM2.5: Particulate matter 2.5 micrometers or less in diameter.

Fibers:

Fibers are defined as having an aspect ratio $> 3:1$. Test results show fibers with aspect ratios $\Rightarrow 3:1$, $\Rightarrow 5:1$ and $\Rightarrow 10:1$. This test shows all airborne fibers including airborne asbestos, artificial mineral (rock, clay, slag, or glass), metal (zinc whiskers) and microplastic fibers. Fibers have an aerodynamic diameter, independent of their length. This peculiar characteristic enables long thin fibers to orient with the smallest diameter in the direction of air flow (align along their long axis) allowing them to deposit deep within the lungs. New studies suggest that in addition to asbestos fibers, other organic and synthetic fibers may also be carcinogenic (cause cancer).



Fibers $\Rightarrow 3:1$ (L:W): 417.8%



Fibers $\Rightarrow 5:1$ (L:W): 379.7%



Fibers $\Rightarrow 10:1$ (L:W): 313.5%