

DustTox™ Laboratory Report

Sampler ID: **132899**

Report Date: **15.02.2024**

Scope:

DustTox™ is a wide spectrum surface dust test for bioaccessible toxins which are easily absorbed by the body through inhalation, ingestion, or skin contact. Testing surface dust for toxins is the preferred method for assessing indoor levels of toxins. Since there is no safe level for toxins, DustTox™ compares your test result to the levels normally measured. Results that are higher than average are flagged as FAIL and results that are average or lower than average are marked as PASS.



Result within the normal range (Index ≤ 100).



Result outside the normal range (Index > 100).

Test Results

VOC:



31 Index

VOCs (Volatile Organic Compounds) are chemical compounds that can evaporate easily at room temperature. Sources include mold, paints, adhesives, cleaning agents and fuels. The microbial volatile organic compounds given off by mold during metabolism is responsible for the stale or musty odor associated with the fungi.

Formaldehyde (CH₂O):



0 Index

Formaldehyde is a colorless, strong-smelling, flammable chemical that is produced industrially and used in building materials such as particleboard, plywood, and other pressed-wood products.

Heavy Metals:



40 Index

Total heavy metals including copper, cobalt, manganese, zinc, cadmium, nickel, mercury and lead. Sources of heavy metals include mining, industrial production (foundries, smelters, oil refineries, petrochemical plants, pesticide production, chemical industry), untreated sewage sludge and diffuse sources such as metal piping, traffic and combustion by-products from coal-burning power stations.

Microplastic:



23.2 Index

Microplastics are fragments of any type of plastic less than 5 mm (0.20 in). Microplastics can act as a medium for environmental toxic substances such as bisphenol A, which are absorbed into the body and cause various diseases of the endocrine system and reproductive system.

Corrosive Chemicals:



33.0 Index

Includes a wide range of chemicals containing chlorides, sulphates and nitrates. Sources include industrial processes, construction, metal smelting, coal burning, and cement production, vehicle exhaust, smoke and fertilizers.

Radioactivity:



0.0 Index

Total amount of alpha, beta, and gamma radiation. Possible sources: nuclear power plants, radon byproducts and medical equipment.

Mineral Microfibers:



0 Index

Inhalable microfibers including asbestos, glass fibers and metal fibers (eg. zinc whiskers) with a width to length ratio of at least 1 to 10 and a diameter of less than 3 microns.