

# Mycometer<sup>®</sup> air FAI

## Result sheet

Case number: \_\_\_\_\_

Sampling date: 08 May 2024

Address: Björk

Date of analysis: 08 May 2024

Sampled by: Pröstur Már Sveinsson

Notes: \_\_\_\_\_

### Result category

Sample ID	Test site	Test	Mycometer value /m <sup>3</sup>	Result category				
				A+	A	B	C	D
1	Stóra rýmið	FAI	59%					X
		Fungi	543				X	
		Allergens	917		X			
2	Vask herbergið	FAI	71%					X
		Fungi	2567					X
		Allergens	3630				X	
3	Hornherbergið	FAI	57%					X
		Fungi	317				X	
		Allergens	560		X			
		FAI						
		Fungi						
		Allergens						
		FAI						
		Fungi						
		Allergens						
		FAI						
		Fungi						
		Allergens						
		FAI						
		Fungi						
		Allergens						

Analysed by: Pröstur Már Sveinsson

Company name: MT Ísland ehf

Mycometer certification number: MAF-1314-IS

Mycometer air FAI	
FAI value	Interpretation Fungi to allergen index = FAI
A+ Low ≤ 5%	The FAI value is low; the level of fungi is very low compared to the level of total allergens. This indicates that there is no source (fungal growth) in the sampling area or in adjacent spaces.
A Normal 6-14%	The FAI value is normal; the level of fungi compared to the level of total allergens is in the normal range. This indicates that there is no source (fungal growth) in the sampling area or in adjacent spaces.
B Elevated 15-22%	The FAI value is elevated; the level of fungi compared to the level of total allergens is in the high end of the normal range and is considered inconclusive. The result indicates that additional investigation is required, including thorough inspection for minor visual sources, or hidden fungal growth.
C High 23-35%	The FAI value is high; the level of fungi compared to the level of total allergens is high. This indicates the presence of a fungal source (fungal growth) in the sample area or adjacent spaces
D Very high >35%	The FAI value is very high; the level of fungi compared to the level of total allergens is very high. This indicates the presence of a significant fungal source (fungal growth) in the sample area or adjacent spaces.

**Mycometer air FAI** or Fungal to Allergen Index measures the ratio between two markers. One marker that is a measure of the level of fungal particles such as fungal spores, micro-, and hyphal fragments, and the other marker is a measure of the level of total allergens, such as dust mites, pollen, fungi, insect parts, pet dander etc. The ratio between these markers reveals whether there is a fungal source affecting the indoor climate. The interpretation is based on the levels found in normal non-problem buildings with no visual signs (or smell) of fungal growth or moisture problems and buildings with moisture and/or fungal growth

**Activated air sampling** means that a standard protocol defined by Mycometer A/S has been used, where settled dust particles are resuspended in the air. Activated sampling has been shown to give representative and reproducible sample results.

**Hidden fungal growth** e.g. within wall cavities or below the floor cannot always be revealed by use of air samples or dust samples independent of what method is being used. If the fungal growth is effectively encapsulated so that no fungal particles can escape or has no contaminant pathway into the space, the hidden fungal growth cannot be revealed. In practice it is not possible to prove the absence of fungal growth.

Mycometer air Fungi	
MAF value	Interpretation Fungi
A+ Low ≤ 35	The level of fungi is low and corresponds to what is found in rooms/buildings without fungal (mould) growth and/or moisture problems and a high cleaning standard.
A Normal 36-145	The level of fungi is normal and corresponds to the level typically found in rooms/buildings without fungal (mould) growth or moisture problems and a normal cleaning standard.
B Elevated 146-240	The level of fungi is elevated and corresponds to what is found in rooms/buildings with an inadequate cleaning standard. If the cleaning standard is good or very good, a category B result should lead to an extra thorough inspection to exclude the presence of a fungal source (fungal growth).
C High 241-680	The level of fungi is high, which means that there is a fungal source (fungal growth) or a very poor cleaning standard. The high level of fungi should lead to a thorough inspection to determine the source.
D Very high >680	The level of fungi is very high, which means that there is a fungal source (fungal growth) or a very poor cleaning standard. The very high level of fungi should lead to a thorough inspection to determine the source.

Mycometer air Allergen	
MAA value	Interpretation Total allergens (dust mites, pollen, fungi, pet dander, skin cells etc.)
A+ Low ≤ 275	The level of allergens is low, corresponding to what is found in rooms/buildings with a high cleaning standard.
A Normal 276-1.375	The level of allergens is normal, corresponding to what is found in rooms/buildings with a normal cleaning standard.
B Elevated 1.376-2.300	The level of allergens is elevated, corresponding to what is found in normal rooms/building with a normal to poor cleaning standard.
C High 2.301-7.750	The level of allergens is high. This is often an indication of an inadequate cleaning standard.
D Very high >7.750	The level of allergens is very high. This is often an indication of a highly inadequate cleaning standard and/or a significant influence from allergen sources such as pets, mould, dust mites etc.