

ISO 14698 Microbial Report

Report Date: 13.03.2025
Sampler ID: 133907
Test Start: 25.02.2024
Test End: 26.04.2024

Scope: The test result shows the average level of bioaerosols during the sampling period corresponding to CFU/m³. A colony-forming unit (CFU) is a unit used in microbiology to estimate the number of viable bacteria or fungal cells in a sample. Bioaerosols are an important parameter when assessing air hygiene at the workplace as well as in healthcare, pharmaceutical, cosmetics and food processing.



Does Not Meet Recommendation



Meets Recommendation

Microbial:

Recommended:

Information:



758 CFU/m³

< 1000 CFU/m³

The National Institutes of Health (NIH) recommends that colony forming units (CFU) levels be maintained below 1000 CFU/m³. CFU is a critical indicator of air hygiene, referring to the concentration of viable bacteria and other microorganisms in the air.

Bioaerosol Levels*:

Low	1-499 CFU/m ³
Medium	500-999 CFU/m ³
High	> 1000 CFU/m ³

* Based on US National Institute for Health (NIH) and European Commission Report.

Recommendations:

Level Medium (< 1000 CFU/m³): For general indoor air (American Conference of Governmental Industrial Hygienists (ACGIH)).

Level Low (< 500 CFU/m³): Hospitals and other healthcare facilities (American Conference of Governmental Industrial Hygienists (ACGIH) and the World Health Organization (WHO)).