

Imperial NanoMetrix AMB Filter: Comprehensive Performance and Certifications Summary

At Greenfield Water Solutions, we are committed to offering water filtration systems that are tested to meet stringent safety standards. Our Imperial NanoMetrix AMB filter, designed for undersink systems, has undergone rigorous lab testing and has shown significant effectiveness in reducing a wide range of contaminants, providing clean, safer water for your household.

1. NSF/ANSI Standard 53 Certification for PFAS Reduction

The Imperial NanoMetrix AMB filter has been shown in lab testing to reduce up to 99% of PFAS (Per- and Polyfluoroalkyl Substances), including PFOA and PFOS, which are known for their potential health risks.

PFAS Reduction Highlights:

- PFOA + PFOS Combined Maximum Concentration: Shown in lab testing to reduce concentrations to below 0.02 µg/L.
- Other PFAS Compounds (PFNA, PFHxS, PFHpA, PFBS): Reduced to non-detectable levels (<0.005 µg/L) in most cases.
- Total PFAS Effluent Concentration: Shown to consistently reduce PFAS levels in lab testing.

2. NSF/ANSI Standard 53 Certification for Cyst Reduction

Lab testing has demonstrated that the filter reduces up to 99.99% of harmful cysts, including *Cryptosporidium* and *Giardia*, which can pose serious health risks.

Cyst Reduction Performance:

- Lab tests showed an average reduction of 99.99%, significantly surpassing the NSF/ANSI Standard requirement of 99.95%.

3. Additional Contaminant Reduction Performance

In addition to PFAS and cyst reduction, the Imperial NanoMetrix AMB filter has been shown in lab testing to reduce a wide range of other contaminants:

- Chlorine & Chloramine: Up to 99% reduction, improving water taste and odor.
- Heavy Metals: Lab tests show up to 98% reduction in harmful metals such as lead, mercury, nickel, and aluminum.
- Fluoride: Shown to reduce up to 85% of fluoride compounds, including those commonly used in municipal water treatment.
- VOCs & THMs (Volatile Organic Compounds & Trihalomethanes): Up to 98% reduction of these harmful byproducts of water treatment.
- Glyphosate, Herbicides, & Pesticides: Shown to reduce up to 99% of these agricultural contaminants.
- Pharmaceutical Compounds: Up to 95% reduction, addressing emerging contaminants in the water supply.

4. Optimized Performance for Undersink Systems

Although originally tested in gravity feed applications, the Imperial NanoMetrix AMB filter has been adapted for use in pressurized undersink systems, ensuring effective filtration without a noticeable drop in water pressure.

Performance Highlights:

- Flow Rate: Designed for consistent, on-demand performance in undersink systems.
- Filter Lifespan: Typically lasts between 6 to 12 months, depending on water quality and usage.

Conclusion

The Imperial NanoMetrix AMB filter, shown in lab testing to reduce a broad spectrum of contaminants, is a reliable solution for ensuring cleaner, healthier water in your home. With certifications for NSF/ANSI Standard 53 and a demonstrated ability to reduce contaminants like PFAS, cysts, heavy metals, and VOCs, it offers long-lasting performance and peace of mind.

For more information or to inquire about filter replacements, please contact Greenfield Water Solutions.