



Test Kit for Per- and polyfluoroalkyl substances (PFAS) in Water

Cyclopure Inc., is a small business funded by the National Institute of Environmental Health Sciences (NIEHS). NIEHS-SBIR funded research has led to the launch of Cyclopure's first commercial product using DEXSORB®, a cyclodextrin-based adsorbent.

Introduced in 2020, the company's PFAS Water Test Kits were developed as an affordable method to provide water quality information to households across the U.S.



Polymer Structure	crosslinked cyclodextrin
Appearance	yellow powder and granules
Adsorption Mechanism	hydrophobic & electrostatic
Surface Area	up to 450 m ² /g
Avg. Apparent Density	0.56 g/cc
Effective Size (powder)	avg. 78 μm
Effective Size (granules)	212 - 500 μm; 500 - 1500 μm
Temperature Limit	300 °C (572 °F)



The PFAS Test Kit streamlines all aspects of the water test experience. Testing is done by passive sampling using a DEXSORB®-loaded filter and 250 ml collection cup. Measurement and Analysis is validated to the requirements of EPA 537 and 533. Analytics for 35 PFAS are done to single digit ppt levels of quantification on Thermo Qexactive LC-MS/MS in-house at Cyclopure's labs.



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