

ENVIRONMENTAL EXPRESS

ProWeigh: Frequently Asked Questions

How is the Proweigh different from a standard glass fiber filter?

- The Environmental Express Proweigh™ filters are prepared according to *Standard Methods* requirements. The 1.5µm borosilicate glass fiber filters are vacuum rinsed with three aliquots of deionized water and then dried at 105 degrees Celsius, cooled and desiccated for twenty-four hours. After preparation, the filters are weighed robotically to the nearest 0.1mg using a certified balance. Each filter comes in an aluminum dish that has the weight of the filter and the filter identification number printed on the label. The Proweigh Filters are a convenient and accurate way to perform Total and Volatile Suspended Solids.

Are they approved?

- Yes, the Environmental Express Proweigh™ filters are prepared according to *Standard Methods* requirements. They are mentioned by name in Standard Methods 2540 and fulfill the requirements and “Good Laboratory Practices” in the manufacturing of these filters.
- ProWeigh filters meet or exceed all requirements found in the 19th edition of *Standard Methods* for filters and their preparation for methods 2540D and 2540E and European Standard EN 872 – Water quality-Determination of suspended solids- Method by filtration through glass fiber filters February 1996. ProWeigh filters are a duplication of the required tasks for TSS, not a new test method.
- The 20th Edition of Standard Methods is the latest of all Methods, published in 1997. Section 3.c., “Procedure” states, “*If pre-prepared glass fiber filter disks are used, eliminate this step.*” “*This step*” is the entire filter prep procedure: the washing with 3 X 20mL aliquots of DI water, drying at 103-105°C for an hour, desiccating to room temperature, and then weighing to 0.0001g and reweighing for stability. Environmental Express’ “*pre-prepared glass fiber filter disks*” – ProWeigh Filters – are listed by name as acceptable filters in 2540 C.2.a. of the 20th Edition.

Who manufactures ProWeigh filters?

- Environmental Express is the sole manufacturer of the Proweigh Filters.

