



Solids Testing: Selecting a Filter

Choose the right filter for
Standard Methods 2540D/E

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Selecting a ProWeigh® Filter Disk

Filter needs vary based on methodology and type of solid that is being tested. While some methods are prescriptive for filter requirements, lab managers must also consider budget requirements and resource time constraints when selecting the appropriate filter. The correct filter can remove unnecessary steps and preserve labs resources for other critical activity.

- Four filter class product options for total and Volatile Suspended Solids.
- Filters vary in the number of preparation steps done for you prior to their arrival in your lab.
- All filter styles are laser cut 1.5 µm borosilicate glass fiber.

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| Filter Preparation Steps: | Product Options | | | |
|---|---|--------------------|--|---------------|
| | ProWeigh® Double (DoubleWeigh) | ProWeigh® Original | ProWeigh® Washed and Dried | ProWeigh® Raw |
| Washed with three successive 20-mL portions of reagent-grade water with vacuum | Done ✓ | Done ✓ | Done ✓ | Required |
| Dried in a horizontal-flow oven at 103°C to 105°C for 1 hour. (Per method, ProWeigh Double and ProWeigh Original filters for Volatile Suspended Solids are ignited at 550°C for 15 minutes) | Done ✓ | Done ✓ | Done ✓ | Required |
| Cooled in a desiccator | Done ✓ | Done ✓ | Required | Required |
| Weighed on certified electronic analytical balances* and placed in aluminum pans | Done ✓ | Done ✓ | Required | Required |
| Labeled with original post-processed weight in numeric and bar code formats | Done ✓ | Done ✓ | Required | Required |
| Redried and reweighed to ensure stable weight with a QC tolerance of ±0.4 mg | Done ✓ | Required | Required | Required |
| Packaging | 4 stacks of 25 filters/weigh dishes (100 total) with a protective pan on top of each stack, poly-bagged and boxed | | Snap-cap tube of 100 filters. Aluminum pans sold separately | |

*The 47 mm ProWeigh Original and ProWeigh Double filters are labeled with weight in numeric and bar code format. Data is available for download on our website at EnvExp.com/filterdata.

Please check our
website for a complete
list of sizes.

