

Disposable BOD Bottle FAQs

Why do these bottles look smaller than my glass bottles?

The disposable bottles have a much thinner wall than traditional glass bottles. That makes them appear smaller. When full, they contain 300mL, just like your glass bottles. In fact, the disposable bottles have been found to be more uniform in volume than standard glass bottles.

Where is the 300mL fill line?

Disposable bottles, like traditional glass bottles are “full” when the tapered stopper is seated in the neck of the bottle. When this occurs, the volume of water below the stopper is 300mL ± 2mL.

Are BOD bottles certified for volume accuracy?

Yes, each lot of BOD bottles are certified for volume accuracy at 300mL ± 0.25%. This is done by taking the mass of Type II DI water from a stoppered BOD bottle. The certificates are available for download from our website.

From what kind of plastic are these bottles made?

These bottles are made of oriented polyethylene terephthalate (o-PET). This is the same polymer from which soft drink and many other consumer bottles are made.

Can these bottles be recycled?

Yes, the bottles are designated as #1 recyclable. O-PET is among the most easily recyclable plastics. This is the same material as a Coca-Cola bottle. They can be incorporated into your standard recycling program.

Is the use of disposable plastic bottles for BOD EPA approved?

YES!! We have a letter from the EPA stating that these are acceptable for use in approved BOD methods. [US EPA Letter of Approval](#)

Does Environmental Express offer stoppers and overcaps?

We do offer acrylic stoppers and plastic overcaps. However, you can use your existing glass stoppers with these bottles. Other vendor overcaps may or may not fit our bottles; depending on which brand you are using. Most brands will fit. However, it is recommended to use EE overcaps with our disposable BOD bottles.

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Will my old glass or plastic stoppers fit in the disposable bottles?

Yes, existing glass or plastic stoppers will work equally well with the disposable bottles.

Where can these bottles be purchased?

Environmental Express is the sole manufacturer of disposable, plastic BOD bottles. We sell directly to the customer or through our network of domestic and international distributors.

Should the bottles be rinsed before use?

No. The bottles provide quality, reproducible results without any pre-rinsing or cleaning.

What causes the yellow color of the bottle?

The inside of the bottle is coated with amorphous carbon, which provides the color. The carbon coating provides an oxygen barrier.

How does the coating affect the BOD results?

The carbon coating seals the inside of the bottle preventing oxygen from entering or leaving the contents of the bottle. This provides for low blank depletions and equivalent results to glass bottles.