

# ENVIRONMENTAL EXPRESS

## Disposable BOD Bottles: Frequently Asked Questions

- Q: Why do these bottles look smaller than my glass bottles?  
A: *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.*
- Q: Where is the 300mL fill line?  
A: *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.*
- Q: Should the bottles be rinsed before use?  
A: *No. The bottles provide quality, reproducible results without any pre-rinsing or cleaning.*
- Q: Can these bottles be recycled?  
A: *Yes, the bottles are designated as #1 recyclable. O-PET is the 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.*
- Q: Is the use of disposable plastic bottles for BOD EPA approved?  
A: *YES!! EPA Method 405.1, Biochemical Oxygen Demand (5 days, 20 °C) is the method that was approved for NPDES. This method states that the test procedure is found in Standard Methods of the Examination of Water and Wastewater. Standard Methods 5210 B (5 Day BOD test) merely states that a bottle of 250-300mL capacity is required. Using disposable plastic bottles does not deviate from either the EPA or the Standard Methods procedure.*
- Q: Does Environmental Express offer disposable stoppers and overcaps?  
A: *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; it depends on which brand you are using. Most brands will fit however it is recommended to use EE overcaps with our disposable BOD bottles.*
- Q: Will my old glass or plastic stoppers fit in the disposable bottles?  
A: *Yes, existing glass or plastic stoppers will work equally well with the disposable bottles.*
- Q: Where can these bottles be purchased?  
A: *Environmental Express is the sole manufacturer. Fisher Scientific, MG Scientific & North Central Labs are 3 US distributors. In Canada, Delta Scientific is a distributor.*
- Q: How are the bottles packaged?  
A: *They are supplied in boxes of 117 bottles. Boxes are lined with poly bag to prevent any dust or box fiber in the bottles.*
- Q: What kind of plastic are these bottles made of?  
A: *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.*
- Q: What causes the yellow color of the bottle?  
A: *The inside of the bottle is coated with amorphous carbon, which provides the color. The carbon Coating provides an oxygen barrier.*
- Q: How does the coating affect the BOD results?  
A: *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.*

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