



diamondESSENTIALS™

Bulk Plastic Laboratory Bottles

Leak Testing Protocol

Standard leak testing of Diamond® Essentials™ bottles is performed with water.*

Leak testing and "Leak proof" designation for bottles up to 1000mL:

- Bottles are filled to 80% of nominal capacity, closed per minimum torque requirement
- Inverted bottles are subjected to pressure test of 85kPa and inspected for leakage.

NOTE: This test protocol applies more than 5x the pressure used by competitors to claim "leak proof" closures.

*NOTE: Testing with other liquids may yield different results.



Neck Finish and Torques

Bottle Capacity (mL)	Neck Finish (mm)	Minimum Torque (in-lb)	Maximum Torque (in-lb)
4	13-415	5	7
8	20-415	10	14
15	20-415	10	14
30	20-415	10	14
60	20-415	10	14
125	24-415	12	17
250	24-415	12	17
500	28-415	16	22
1000	38-415	22	31

