

Application Focus

Sterileware® Flat Bottom Sampling Scoops

Challenge:

Sampling bias can be introduced through issues with scoops while weighing

Application:

Food Sampling

Consistent sampling is an important step to ensure food safety via analytical data analysis. This starts with choosing the correct sampling tool. Often when the volume of the sample is not controlled, bias can be introduced through increment weighing error. Sampling bias is very difficult or impossible to estimate, so it is important to make sure bias is minimized.¹

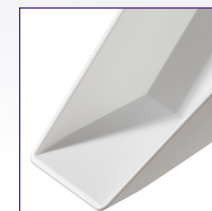
Example: Dillan is preparing cereal samples for quality control testing. To ensure sample homogeneity, he must take a number of samples of the same mass. However, with the laboratory scoops he is using, he is having trouble getting the mass to be constant and balancing the scoops themselves on the balance. He is worried that these challenges may introduce sample bias where it should not exist.

Solution:

Sterileware® Flat Bottom Sampling Scoops

Sterileware® Flat Bottom Sampling Scoops streamline food sampling. With a range in volume of 25ml to 1000ml, a flat bottom allows the scoop to sit steadily on a balance without tipping so the sample can be weighed within the sterile scoop used to retrieve it. A flat top allows easy leveling for a more consistent starting mass and minimizes sample removal or addition to reach a consistent weight. Sterileware® Flat Bottom Sampling Scoops are individually bagged, single-use, and gamma irradiated sterile, reducing the risk of contamination.

¹GOODSamples: Guidance on Obtaining Defensible Samples; Association of American Feed Control Officials (AAFCO): Champaign, IL (2015).



CATALOG NO.	NOMINAL CAPACITY	HANDLE LENGTH	QUANTITY/PACK
03-411-791	25ml (0.8oz)	7.0cm (2 ³ / ₄ "	100
03-411-792	50ml (1.7oz)	7.5cm (3"	100
03-411-793	100ml (3.4oz)	9.5cm (3 ³ / ₄ "	100
03-411-794	150ml (5.1oz)	9.5cm (3 ³ / ₄ "	100
03-411-795	250ml (8oz)	9.5cm (3 ³ / ₄ "	100
03-411-796	500ml (17oz)	12.3cm (4 ⁷ / ₈ "	40
03-411-797	1000ml (34oz)	13.4cm (5 ¹ / ₄ "	30

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