

Statement of Quality and Calibration



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Calibration & Volume Accuracy

The accuracy of all volume graduation lines has been verified by ASTM Standard E542-22 for representative digestion vessel samples. The volume accuracy of all graduations exceeds Class A tolerance specifications for volumetric labware presented in ASTM E1272-02 (+/- 0.25 mL). Analytical balances used to verify the calibration of volume graduations are certified yearly by a third party and verified with standard masses traceable to NIST.

Quality & Metals Background

Our digestion tubes are manufactured using polypropylene selected for trace metals analysis. It is important to note that leachable content from plastic will vary and depends upon several factors including specific reagents used, temperature and time of leach.

We test our digestion tubes using ICP-MS and an aggressive, heated acidic leach method to ensure they are appropriate for even the most stringent, low-level trace metals analysis. Our production facility is accredited and holds ISO 9001-2015 certification. Our processes are subject to stringent controls and our products are produced and packaged in an ISO class 8 room.

We strongly recommend that each lab perform blank analysis of these digestion tubes to ensure they are appropriate for your specific analysis. Care should be taken in storage and handling to prevent background contamination.

Thank you for choosing Breakwood. We look forward to serving you again.

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