




British Glass

# TEC 6

## The accurate determination of glass container capacity

May 2022

Issue 4



This document was originally published by the Glass Manufacturers Federation. It is now published by the British Glass Manufacturers Confederation, which is an organisation formed on 1 July 1988 by the amalgamation of the Glass Manufacturers Federation and the British Glass Industry Research Association.

Issue 1 published in May 1973 by the Glass Manufacturers Federation.

Issue 2 published May 1980 by the Glass Manufacturers Federation.

Issue 3 published March 1994 by British Glass.

**Issue 4 published May 2022 by British Glass.**



## **1. Purpose of document**

Container glass manufacturers are obliged to ensure that their products meet a range of agreed specifications and tolerances. To meet these specifications manufacturers must routinely test their products using validated test methodologies.

This document describes how the volumetric capacity of soda-lime-silica glass bottles can be measured in a factory environment to an acceptable accuracy.

## **2. Scope of application**

Testing for volumetric capacity is initially performed on new products to confirm that the design specifications have been met. Routine quality assurance testing of products is subsequently performed on production samples, typically taken on a shift basis. The sampling pattern and frequency of this routine testing is outside the scope of this document which is solely concerned with the technical issues relating to the volumetric testing procedure.

The test method as described in this document is principally intended for use in a factory environment as a quality control tool. However, the method must still be capable of meeting criteria of accuracy and uncertainty of measurement.