

ISO 4802-2:2016-06 (E)

Glassware - Hydrolytic resistance of the interior surfaces of glass containers - Part 2: Determination by flame spectrometry and classification

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	4
5	Reagents	4
6	Apparatus	6
7	Sample preparation	6
7.1	Sample size	6
7.2	Determination of the filling volume	7
7.2.1	Flat-bottomed containers 20 mm outer flange diameter (except ampoules, syringes and cartridges)	7
7.2.2	Flat-bottomed containers >20 mm outer flange diameter	7
7.2.3	Round-bottomed containers	7
7.2.4	Lipped containers	8
7.2.5	Ampoules	8
7.2.6	Syringes and cartridges	8
8	Procedure	8
8.1	General	8
8.2	Cleaning of samples	9
8.3	Filling and heating	9
8.4	Analysis of the extraction solutions	10
8.4.1	Containers of hydrolytic resistance container classes HCF 1, HCF 2 and HCF B or those known to be made from borosilicate glass	10
8.4.2	Containers of hydrolytic resistance container classes HCF 3 and HCF D, or those known to be made from soda-lime-silica glass	10
8.5	Testing to determine whether the containers have been surface-treated	11
9	Expression of results	11
9.1	Determination	11
9.2	Classification	12
9.3	Distinction between containers of hydrolytic resistance container class HCF 1 and hydrolytic resistance container class HCF 2	12
9.4	Designation	12
10	Test report	12
11	Reproducibility	13
Bibliography		14