

ISO 14184-3:2023-12 (E)

Textiles - Determination of formaldehyde - Part 3: Free and hydrolysed formaldehyde (extraction method) by liquid chromatography

Contents		Page
Foreword.....		iv
1	Scope.....	1
2	Normative references.....	1
3	Terms and definitions.....	1
4	Conformity.....	1
5	Principle.....	1
6	Reagents.....	2
7	Apparatus.....	3
8	Preparation of test specimen.....	3
9	Procedure.....	3
9.1	Formaldehyde stock solution.....	3
9.1.1	Preparation of formaldehyde stock solution.....	3
9.1.2	Determination of the formaldehyde concentration in the stock solution.....	4
9.2	Determination of formaldehyde.....	4
9.2.1	Calibration of LC.....	4
9.2.2	Extraction of the test specimen.....	5
9.2.3	Derivatization with DNPH and analysis.....	5
10	Expression of results.....	6
10.1	Calculation of the formaldehyde content in textile test specimen.....	6
10.2	Spiking — Determination of recovery rate.....	6
10.3	Precision of the test method.....	6
11	Test report.....	7
Annex A (informative) Information on precision of the test method.....		8
Annex B (informative) Examples of chromatographic and spectroscopic conditions.....		10
Bibliography.....		13