

ISO 7012-2:2025-04 (E)

Paints and varnishes - Determination of preservatives in water-dilutable coating materials - Part 2: Determination of in-can total formaldehyde

Contents

Page

Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principle.....	3
4.1 General.....	3
4.2 Acidic water-steam-distillation.....	3
4.3 Derivatization with chromotropic acid.....	3
5 Apparatus.....	3
6 Reagents and materials.....	4
6.1 General.....	4
6.2 General reagents.....	4
6.3 Reagents for derivatization with CHRA.....	4
6.4 Reagents for titration of formaldehyde standard.....	4
7 Procedure.....	5
7.1 Sampling.....	5
7.2 Distillation.....	5
7.3 Derivatization using the CHRA procedure.....	5
7.4 Calibration.....	5
7.5 Analysis.....	5
7.5.1 Analysis of the calibration solution.....	5
7.5.2 Sample measurement.....	6
7.6 Calculation of in-can total formaldehyde content.....	6
8 Precision.....	7
8.1 General.....	7
8.2 Repeatability limit, <i>r</i>	7
8.3 Reproducibility limit, <i>R</i>	7
9 Test report.....	8
Annex A (normative) Titration methods for the determination of formaldehyde content.....	9
Annex B (informative) Results of the interlaboratory test.....	11
Bibliography.....	12