

ISO 12460-2:2018 (E)

Wood-based panels — Determination of formaldehyde release — Part 2: Small-scale chamber method

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	General
5	Significance and use
6	Interferences
7	Apparatus
7.1	Test chamber
7.2	Make-up air
7.2.1	General
7.2.2	Air circulation
7.2.3	Air sampling port
8	Hazards
8.1	Chromotropic acid reagent treatment
8.2	Cleaning chemicals for glassware
9	Test specimens
9.1	Standard loading ratio
9.2	Number of test pieces
9.3	Nonstandard sample configuration testing products with single surface exposed
10	Sample material handling and specimen conditioning
10.1	Handling
10.2	Conditioning
11	Procedure
11.1	Test procedure for materials
11.2	Air sampling
11.3	Analysis of air samples
11.4	Absorbance readings
12	Calculation
13	Report
Annex A	(normative) Conversion factors for formaldehyde, standard solutions, calibration curve
A.1	General
A.2	Relative humidity conversion factors for formaldehyde
A.2.1	Berge et al. formula
A.2.2	WKI calculation models
A.2.2.1	General
A.2.2.2	Linear model
A.2.2.3	Exponential model
A.3	Standard solution A and B

A.3.1	Standardization of Formaldehyde Standard Solution A (1,0 mg/mL)
A.3.2	Standard Solution B
A.4	Calibration curve

Page count: 15