

ISO 17895:2024-08 (E)

Paints and varnishes - Determination of volatile organic compound (VOC) - Gas-chromatographic method with headspace injection for VOC determination

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	3
5	Required information	3
6	Apparatus	3
7	Reagents	5
8	Procedure	6
8.1	Number of determinations	6
8.2	Sample preparation	6
8.2.1	General	6
8.2.2	Dilution of original sample	6
8.2.3	Preparation of test samples for analysis without multiple standard additions	6
8.2.4	Preparation of test samples for analysis with multiple standard additions	6
8.3	Analysis	7
8.3.1	General	7
8.3.2	Headspace injector	7
8.3.3	Gas chromatograph	7
8.3.4	Determination of integration end point	8
9	Evaluation	8
10	Calculation	9
10.1	General	9
10.2	Method 1: VOC content, as a percentage by mass, of the product "ready for use"	9
10.3	Method 2: VOC content, in grams per litre, of the product "ready for use"	10
11	Precision	11
11.1	General	11
11.2	Repeatability limit, r	11
11.3	Reproducibility limit, R	12
12	Test report	12
Annex A (informative) Gas chromatogram of the reference compound mixture and tetradecane		13
Bibliography		14