

# ISO 23168:2019 (E)

## Paints and varnishes — Determination of water content — Gas-chromatographic method

---

### Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
5	Apparatus
5.1	Gas chromatograph
5.2	Sample injection system
5.3	Oven
5.4	Detector
5.5	Capillary column
5.6	Injection syringe
5.7	Data processing
5.8	Sample vials
5.9	Gas filter
5.10	Carrier gas
5.11	Analytical balance
5.12	Bottle-top dispenser
6	Reagents and materials
6.1	Internal standard (anhydrous)
6.2	Dilution solvent
6.3	Water
6.4	Molecular sieve
7	Sampling
8	Procedure
8.1	Gas-chromatographic conditions
8.2	Water content of the dilution solvent
8.3	Calibration
8.4	Sample preparation
8.5	Quantitative determination of water content
9	Expression of results
10	Precision
10.1	General
10.2	Repeatability limit, $r$
10.3	Reproducibility limit, $R$
11	Test report
Annex A	(informative) Example of gas-chromatographic conditions
Annex B	(informative) Information about precision