



BSI Standards Publication

Water quality — Determination of cyclic volatile methylsiloxanes in water

Part 2: Method using liquid-liquid extraction with gas chromatography-mass spectrometry (GC-MS)

National foreword

This British Standard is the UK implementation of EN ISO 20596-2:2022. It is identical to ISO 20596-2:2021. It supersedes BS ISO 20596-2:2021, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EH/3/2, Physical chemical and biochemical methods.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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English Version

Water quality - Determination of cyclic volatile
methylsiloxanes in water - Part 2: Method using liquid-
liquid extraction with gas chromatography-mass
spectrometry (GC-MS) (ISO 20596-2:2021)

Qualité de l'eau - Détermination de méthylsiloxanes
cycliques volatiles dans l'eau - Partie 2: Méthode par
extraction liquide-liquide avec chromatographie en
phase gazeuse-spectrométrie de masse (CG-SM) (ISO
20596-2:2021)

Wasserbeschaffenheit - Bestimmung von cyclischen
flüchtigen Methylsiloxanen in Wasser - Teil 2:
Verfahren mittels Flüssig-Flüssig-Extraktion und
Gaschromatographie-Massenspektrometrie (GC-MS)
(ISO 20596-2:2021)

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European foreword

The text of ISO 20596-2:2021 has been prepared by Technical Committee ISO/TC 147 "Water quality" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 20596-2:2022 by Technical Committee CEN/TC 230 "Water analysis" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2023, and conflicting national standards shall be withdrawn at the latest by March 2023.

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Endorsement notice

The text of ISO 20596-2:2021 has been approved by CEN as EN ISO 20596-2:2022 without any modification.

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Foreword

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Introduction

The method described in this document uses low density polyethylene to prevent volatilization of samples during transit and storage. The samples are processed using a liquid-liquid extraction into a non-polar solvent with subsequent injection onto a gas chromatograph-mass spectrometer for separation and quantitation.