



**International
Standard**

ISO 20999

**Textiles — Determination
of total halogens in textile
products — Combustion and ion
chromatography (C-IC) method**

*Textiles — Détermination des halogènes totaux présents dans les
produits textiles — Méthode par combustion et chromatographie
ionique (C-CI)*

**First edition
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Introduction

The determination of the total content of various halogens can be used as a screening method for harmful substances whose constituents include one or more of these halogens. For example, the fluorine content of a textile can indicate that it contains legally restricted perfluorinated and polyfluorinated alkyl substances (PFAS) or other organic fluorine. High chlorine and bromine concentrations can indicate the potential presence of flame retardants or biocides in the textile. It should be noted that the test method is not able to distinguish between organically and inorganically bound halogens. It can also not distinguish between PFAS which are characterised by at least one fully fluorinated methyl (-CF₃) or methylene (-CF₂-) carbon atoms and fluorinated alkyl substances which do not comply with this specification.

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