INTERNATIONAL

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IULTCS/IUC 8:2

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Leather — Chemical determination of chromic oxide content —

Part 2: Quantification by colorimetric determination

Cuir — Dosage chimique de l'oxyde de chrome — Partie 2: Quantification par dosage colorimétrique



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Contents

Forewo	ordi	iv
Introdu	iction	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
5	Sampling and sample preparation	2
6 6.1 6.2	Reagents Alkaline fusion method Photometric determination	2
7	Apparatus	2
8 8.1 8.2 8.3	Methods Alkaline fusion method Measurement of the aqueous solution Preparation of the calibration solution	3 3
9	Check of the analytical system	4
10 10.1 10.2	Calculation and expression of results General Repeatability	4
11	Test report	5
Annex	A (informative) Determination of water and other volatile matter	6

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 5398-2 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 289, *Leather*, in collaboration with the Chemical Tests Commission of the International Union of Leather Technologists and Chemists Societies (IUC Commission, IULTCS), in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement). It is based on IUC 8 originally published in *J. Soc. Leather Tech. Chem.*, **49**, p. 17, 1965, and declared an official method of the IULTCS in 1965.

IULTCS, originally formed in 1897, is a world-wide organization of professional leather societies to further the advancement of leather science and technology. IULTCS has three Commissions, which are responsible for establishing international methods for the sampling and testing of leather. ISO recognizes IULTCS as an international standardizing body for the preparation of test methods for leather.

ISO 5398 consists of the following parts, under the general title *Leather* — *Chemical determination of chromic oxide content*:

- Part 1: Quantification by titration
- Part 2: Quantification by colorimetric determination
- Part 3: Quantification by atomic absorption spectrometry
- Part 4: Quantification by inductively coupled plasma optical emission spectrometer (ICP-OES)

Introduction

ISO 5398 has been split into four parts, each describing methods suitable for the determination of the chromic oxide content in leather. The different techniques have been described to reflect the variations in industrial practice compared with the more sensitive analytical equipment available for test laboratories. Variations also exist in the range of chromic oxide that the methods are deemed suitable to quantify.

ISO 5398-2 describes a colorimetric technique that requires the use of a spectrophotometer.