



CEN/TC 289/WG 1
Chemical test methods

Email of secretary:
Secretariat:

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CEN/TC 289/WG1 & 2 & 3: N. 250 - revised
IULTCS/ IUC, IUP & IUF: N. 250 - revised

Draft Agenda of combined technical meeting of:

- CEN/TC 289: WG 1, WG 2 and WG 3
- IULTCS: IUC, IUP and IUF

To be held at: **UNIC - Unione Nazionale Industria Conciaria**
Via Brisa 3
20123 Milano, Italy

Date: Tuesday, 6th March 2018

Starting time: 9.00 h
Expected ending time: 18.00 h

Information note: The date of the CEN/TC 289 Plenary is **Wednesday 7th March 2018**

Times below are given for guidance only. Once each section is finished we will immediately continue to the next. Those wanting to attend only one section are advised to be present well in advance of the listed times.

09.00h General Issues Related to IU Commissions & CEN Working Groups

- 1. Welcome and agreement of agenda**
- 2. Approval of the minutes of the last meeting**
- 3. Other IU Commission / CEN TC 289 business**

09.10h CEN TC 289/WG1 & IUC Commission meeting

- 4. Progress of active work items (IUC & WG1) (For information only)**

4.1 New EN and ISO standards

- **EN ISO 4098:2018 (revision of 2006 edition) / IUC 6: Chemical tests – Determination of water-soluble matter, water-soluble inorganic matter and water-soluble organic matter.**

Document to be published February 2018

4.1.1 Re-confirmed ISO standards after systematic review

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4.2 Documents in parallel CEN/ISO Formal Vote

- **FprEN ISO/FDIS 4045 (revision of 2008 edition) / IUC 11 Leather – Chemical tests – Determination of pH and difference figure**

Document in a joint FDIS formal vote, closing 4th April 2018.

- **FprEN ISO/FDIS 4048 (revision of 2008 edition) / IUC 11 Leather – Chemical tests - Determination of matter soluble in dichloromethane and free fatty acid content**

Document in a joint FDIS formal vote, closing 20th April 2018.



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IULTCS/ IUC, IUP & IUF: N. 250 - revised

- **FprEN ISO/FDIS 5398-1 (revision of 2007 edition) / IUC 8-1** *Leather – Chemical determination of chromic oxide content - Part 1: Quantification by titration*
Document in a joint FDIS formal vote, opening 9th March and closing 4th May 2018.
- **FprEN ISO/FDIS 5398-3 (revision of 2007 edition) / IUC 8-3** *Leather – Chemical determination of chromic oxide content - Part 3: Quantification by atomic absorption spectrometry*
Document in a joint FDIS formal vote, opening 9th March and closing 4th May 2018.
- **FprEN ISO/FDIS 10195 / IUC 41** *Leather – Chemical determination of chromium (VI) content in leather – Part 3: Thermal pre-ageing of leather and determination of hexavalent chromium. (N114)*
ISO only FDIS formal vote opens 30th January and closes 30th March 2018.
- **FprEN ISO/FDIS 22517 / IUC 38** *Leather – Chemical tests – Determination of pesticide residues content in leather. (N115)*
Document in preparation for an ISO only FDIS formal vote.
- **FprEN ISO/FDIS 23702-1 / IUC 39-1** *Leather – Organic fluorine – Part 1: Determination of non-volatile compounds by extraction method using liquid Chromatography. (N116)*
Document ready to be submitted to ISO for a joint FDIS formal vote.

4.3 Documents in parallel CEN/ISO DIS Enquiry

- **prEN ISO/DIS 22699 (or 18219-2?) / IUC 40** *Leather – Chemical tests – Determination of chlorinated hydrocarbons in leather – Chromatographic method for middle chain chlorinated paraffins (MCCP)*
Document in preparation to be submitted for joint DIS Enquiry with CEN lead. (Confirm it is better as ISO 18219-2?)
- **prEN ISO/DIS 18218-2 (revision of 2015 edition) / IUC 27-2** *Leather – Determination of ethoxylated alkylphenols – Part 2: Indirect method*
A revised document has been prepared to correct an error. A joint DIS Enquiry with ISO lead opens on 23rd April and closes on 16th July 2018.

4.4 Documents in preparation for parallel CEN/ISO DIS Enquiry (ISO lead) after revision following a systematic review

- **Revision of EN ISO 13365:2011 / IUC 29** *Leather – Chemical tests - Determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography*
Following a request from Italy, the Standard is to be revised. Proposal is to divide this Standard into 2 parts as follows:
 - **EN ISO 13365-1 / IUC 29-1** *Leather – Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography – Part 1: Total content*
Part 1 will be effectively the existing ISO 13365 with some modifications.
Italy is preparing the draft document for DIS Enquiry with ISO lead.



- **EN ISO 13365-2 / IUC 29-2** *Leather – Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography – Part 2: Extractable content*

A new Part 2 to the Standard with ISO lead is to be prepared by Italy.

- **Revision of ISO 14088:2012** *Leather - Chemical tests – Quantitative analysis of tanning agents by filter method*

Italy has proposed changes, see document N. 101 on the WG1 e-Committee.

Italy and Germany are preparing a revised text for this meeting.

- **Revision of EN ISO 17226-3:2011 / IUC 19-3** *Leather – Chemical determination of formaldehyde content -- Part 3: Determination of formaldehyde emissions from leather*

To be decided if this part will be revised – depends on the revisions to parts 1 & 2 (see 5.1).

- **Revision of EN ISO 17234-1:2011 / IUC 20-1** *Leather – Chemical tests for the determination of certain azo colorants in dyed leathers -- Part 1: Determination of certain aromatic amines derived from azo colorants*

Karine Lio has prepared a revised text, see document N.99 on the WG1 e-Committee.

- **Revision of EN ISO 27587:2009 / IUC 26** *Leather – Chemical tests – Determination of free formaldehyde in process auxiliaries*

Italy has proposed changes, see document N. 97 on the WG1 e-Committee.

Italy and Germany are preparing a revised text for this meeting.

5. Discussion on active work items (IUC & WG1)

5.1 Documents after CEN/ISO DIS Enquiry (comments received to be discussed)

- **prEN ISO/DIS 5398-4 (revision of 2007 edition) / IUC 8-4** *Leather – Chemical determination of chromic oxide content - Part 4: Quantification by inductively coupled plasma - (ICP)*

DIS Enquiry closed 25th October 2017. Enquiry comments received to be discussed.

[Comments \(N119\)](#)

- **prEN ISO/DIS 17072-1 (revision of 2011 edition) / IUC 27-1** *Leather – Chemical determination of metal content -- Part 1: Extractable metals*

DIS Enquiry closed 31st October 2017. Enquiry comments received to be discussed.

[Comments \(N112\)](#)

- **prEN ISO/DIS 17072-2 (revision of 2011 edition) / IUC 27-2** *Leather – Chemical determination of metal content -- Part 1: Total metal content*

DIS Enquiry closed 31st October 2017. Enquiry comments received to be discussed.

[Comments \(N113\)](#)

- **prEN ISO/DIS 17226-1 (revision of 2008 edition) / IUC 19-1** *Leather – Chemical determination of formaldehyde content -- Part 1: Method using high performance liquid chromatography*

The DIS Enquiry closes on 22nd Jan. 2018. Enquiry comments received to be discussed.

[Comments \(N121\)](#)



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- prEN ISO/DIS 17226-2 (revision of 2008 edition) / IUC 19-2 *Leather –
Chemical determination of formaldehyde content -- Part 2: Method using colorimetric
analysis*

The DIS Enquiry closes on 22nd Jan. 2018. Enquiry comments received to be discussed.

[Comments \(N122\)](#)



6. Review of published standards under WG1/IUC responsibility

6.1 Decisions on the comments received during ISO systematic reviews

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6.2 Published EN ISO standards currently under ISO systematic revision process

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7. Work item progress and proposals for new work items & comments received since the last meeting

7.1 Progress of work items and proposals for new work items

- Revision of EN ISO 20136: 2017 / IUC 37 *Leather – Determination of degradation by micro-organisms*

Spain announced at the last meeting it was preparing an update, especially to section 9.2. Spain to provide a revised text for this meeting.

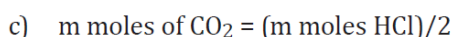
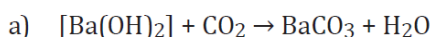
7.2 Comments received since the last meeting

- EN ISO 20136:2017 / IUC 37 *Leather – Determination of degradation by micro-organisms*

LASRA in New Zealand has made comment that they think there is a mistake in clause 9.1.2 of EN ISO 20136:2017. Their comments are as follows:

9.1.2 Determination of the amount of carbon dioxide produced (Method A)

Correct for the amount of carbon dioxide produced with the negative control (culture medium + inoculum) by subtracting negative control titration from test material titration with 0,05 mol/l HCl.



We think that the volume of titration of the test material should be subtracted from the volume of the negative control??? This is based on the fact that the volume of HCl obtained for the negative control should be higher than that obtained for the sample. This is due to CO₂ evolving from the samples (as degradation occurs) which reacts with some of the Ba(OH)₂; thus the volume of HCl needed for titration will be lower, whilst the expectation for the negative control is that no CO₂ will be evolved and therefore no reaction with Ba(OH)₂ will occur so the volume of HCl will be higher!

7.3 Requests for new work items if someone has suitable methods

- analytical method for sulphide content in wet blue

Background: Is it possible to develop a test method to determine sulfide content in wet-blue?

- analytical procedure and solvent for determining low levels of residual fat

Background: Many tanneries producing wet-blue are requested to have fat content lower than 0,5%. They test according ISO 4048 - IUC4 but I do not think that this method is adequate for such low values. Two reasons of that is the "reproductively" of the test, 0,5%, but also, because fat content remaining in the leather that is emulsified with surfactants, it is not in fact soluble in dichloromethane. Can someone propose a test method reliable for such low fat contents?

8. Any other business for WG1 / IUC



14.30h Meeting of CEN TC 289/WG2 and IUP Commission

9. Progress of active work items (WG2/IUP) (For information only)

9.1 New EN and ISO standards

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9.1.1 Re-confirmed ISO standards after systematic review

- ISO 2419:2012 / IUP 1 & 3

Leather - Physical and mechanical tests – Sample preparation and conditioning

- ISO 26082-2:2012 / IUP 53-2

Leather - Physical and mechanical tests - Determination of soiling - Part 2 – Tumbling method

9.2 Documents in parallel CEN/ISO Formal Vote

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9.3 Documents in parallel CEN/ISO Enquiry

- prEN ISO/DIS 26082-1 (revision of 2012 edition) / IUP 53-1

Leather - Physical and mechanical tests - Determination of soiling - Part 1 - Rubbing (Martindale) method

Submitted for joint DIS enquiry, opening 8th March and closing 31st May 2018.

10. Discussion on active work items (WG2/IUP)

10.1 Documents after CEN/ISO Enquiry

(comments received to be discussed and documents to be finalised for formal vote)

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10.2 New Work Items for discussion and to progress to CEN/ISO Enquiry

- Revision of EN ISO 3376:2011 / IUP 6

Leather - Physical and mechanical tests - Determination of tensile strength and percentage extension

Technical comments received from Germany at Systematic Review. **Proposed revised text is as document N34 on the WG2 e-committee. Experts are asked to look at the text before this meeting.**

- Revision of EN ISO 17076-1:2012 / IUP 48-1 *Leather – Determination of abrasion resistance – Part 1: Taber method*

Technical comments received from Germany at Systematic Review. Germany to provide a revised text for this meeting.

- Revision of EN ISO 23910:2017 / IUP 44

Leather - Physical and mechanical tests – Determination of stitch tear resistance

Revision of ISO 23910 to be presented at this meeting.

11. Review of published standards under WG2/IUP responsibility

11.1 Decisions on the comments received during ISO systematic review

ISO Systematic review voting that closed on 4th December 2017. Decision to be made if it will be re-confirmed or revised.

- ISO 17131:2012 / IUP 56 *Leather - Identification of leather with microscopy*

Results of systematic review: 8 votes to re-confirm, 3 abstentions and 1 vote (Italy) for revision. Italy asks for 2 additional instruments to be added in clause 5.



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ISO Systematic review voting that closed on 5th March 2018. Decision to be made if it will be re-confirmed or revised.

- **ISO 14268:2012 / IUP 15** *Leather – Physical and mechanical tests – Determination of water vapour permeability*

If results are available the comments from the systematic review will be discussed. A decision will be made if it is re-confirmed or revised.

11.2 Published EN ISO standards currently under ISO systematic review process

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12. Proposals for new work items

- **EN ISO 5402-1:2017/ IUP20** *Leather – Determination of flex resistance - Part 1: Flexometer method.*

At the last meeting BLC, UK pointed out a major problem with the new specifications for the clamp of the Flexometer in the revised Standard. After checking they found 4 of the 5 manufacturers of Flexometers are not able to comply with the new clamp specifications. Most test labs are now unable to test according to the new Standard.

The last meeting requested a temporary withdrawal of EN ISO 5402-1:2017 until a satisfactory solution could be found.

However, ISO strongly advised against withdrawing Standards as it requires a 100% approval vote. Only one vote not approving the withdrawal and the Standard remains.

ISO recommended an immediate revision of the EN ISO 5402-1:2017 Standard is the fastest and best way to proceed. The IUP/WG2 convenor was to request BLC prepare a proposal for an amendment to EN ISO 5402-1:2017.

The proposal for amending EN ISO 5402-1 will be discussed at this meeting.

13. Any other business for WG2/IUP



15.30h Meeting of CEN TC 289/WG3 and IUF Commission

14. Progress of active work items (WG3/IUF) (For information only)

14.1 New EN and ISO standards

- **EN ISO 20701:2017 / IUF 427** *Leather – Tests for colour fastness – Colour fastness to saliva*
Standard published in December 2017.

14.1.1 Re-confirmed ISO standards after systematic review

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14.2 Documents in CEN/ISO formal vote

- **prEN ISO/FDIS 11640 (revision of 2012 edition) / IUF 450** *Leather – Tests for colour fastness – Colour fastness to cycles of to-and-fro rubbing*
Document submitted for joint formal FDIS vote.

14.3 Documents in CEN/ISO Enquiry/DIS vote

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15. Discussion on active work items (WG3/IUF)

15.1 Documents after CEN/ISO Enquiry (comments received to be discussed and documents to be finalised for formal vote)

- **prEN ISO/DIS 22700 / IUF 474** *Leather – Measuring the colour and colour difference of finished leather*
Joint DIS Enquiry closes on 16th Feb. 2018. Comments received to be discussed and formal vote document prepared.

15.2 New Work Items for discussion and to progress to CEN/ISO Enquiry

- **EN ISO 15702:1998 (Vers. 3) / IUF 435** *Leather – Tests for colour fastness – Colour fastness to machine washing*

Systematic review closed on 15th June 2016. 6 countries agreed to re-confirm, 1 country proposed to revise and 3 countries abstained. There were 10 technical comments from UK relating to test equipment and detergents from a textile perspective. In most cases they are not relevant for leather.

Campbell Page agreed the Standard need a general updating, so he will prepare a revised text for the meeting.

- **EN ISO 15703:1998 (Vers. 3) / IUF 423** *Leather – Tests for colour fastness – Colour fastness to mild washing*

Systematic review closed on 15th June 2016. 6 countries agreed to re-confirm, 1 country proposed to revise and 3 countries abstained. There were 6 technical comments from UK relating to test equipment and detergents from a textile perspective. In most cases they are not relevant for leather.

Campbell Page agreed the Standard need a general updating, so he will prepare a revised text for the meeting.

16. Review of published standards under WG3/IUF responsibility

16.1 Decisions on the comments received during ISO systematic reviews

ISO Systematic review voting that closed on 4th December 2017. Decision to be made if it will be re-confirmed or revised.

- **ISO 20433:2012 / IUF 452** *Leather – Tests for colour fastness – Colour fastness to crocking*
Results of systematic review: 9 votes to re-confirm and 3 abstentions. No requests for revision.



CEN/TC 289/WG1 & 2 & 3: N. 250 - revised
IULTCS/ IUC, IUP & IUF: N. 250 - revised

ISO Systematic review voting will close on 5th March 2018. If results are available a decision will be made if they are re-confirmed or revised.

- **ISO 11641:2012 / IUF 426** *Leather – Tests for colour fastness – Colour fastness to perspiration*

- **ISO 11642:2012 / IUF 421** *Leather – Tests for colour fastness – Colour fastness to water*

16.2 Published EN ISO standards currently under ISO systematic revision process

17. Proposals for new work items

- Future **replacement of EN ISO 11646 / IUP 32** *Leather – Measurement of area*

With the publication in August 2016 of EN ISO 19076 / IUP 58 *Leather — Measurement of leather surface — Using electronic techniques* we now have defined 4 different electronic methods for area measurement. But with no preference as to which electronic method is considered the reference method. The parties involved are required to agree on the electronic measurement method to be used.

With the involvement of ICT and other area measurement experts a discussion has been started about what steps we could make in the future and if in future one reference method is required.

SSIP have been working on a project comparing different measurement techniques and different leather types. At the meeting SSIP will provide a further report on the progress in compiling comparison measurement data.

18. Any other business for WG3/IUF

19. Confirmation of Resolutions/Decisions from WG1/IUC, WG2/IUP and WG3/IUF

20. Any other business for WG1/IUC, WG2/IUP and WG3/IUF

21. Date and location of next meeting:

Approx. 18.00 h Closure of the meeting

Please contact the respective Chairman for changes / updates to the Agenda.

Convenors/Chairmen

Karine Lio (WG1/IUC)

Mike Wilson (WG2/IUP)

Campbell Page (WG3/IUF)

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~~19th January 2018~~

28th February 2018