

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

चमड़ा - रासायनिक परीक्षण - प्रक्रिया सहायक में

अबद्ध फार्मेलडीहाइड का निर्धारण

(पहला पुनरीक्षण)

Draft Indian Standard

**LEATHER - CHEMICAL TESTS - DETERMINATION OF THE FREE
FORMALDEHYDE IN PROCESS AUXILIARIES**

(First Revision)

(ICS. 59.140.35)

Leather, Tanning Materials and Allied Products, CHD 17

Last Date for Comments: 31.03.2024

Leather, Tanning Materials and Allied Products, CHD 17

(Formal clause shall be added later)

This standard specifies a method for the determination of free formaldehyde, which is released under dynamic conditions when the sample is heated in an inert dry atmosphere, in process auxiliaries for leather. The analytical result obtained according to this procedure is expressed in milligrams per kilogram (mg/kg) sample.

This standard was originally published in 2018. In first revision by adopting and harmonizing with ISO 27587: 2009 as identical under dual numbering. The revision of this standard has been undertaken in order to align it with the latest version of ISO 27587: 2021. In this revision following modification have been done.

In this revision, major changes follows:

- the wording in 5.6, 5.7, 5.12, 7.2, 7.3, 7.4 and Clause 8 has been modified;
- a new Figure 1 has been inserted and the previous Figure 1 changed to Figure 2;
- the recommended HPLC conditions previously in Clause 8 are now given in a new Annex B

The text of the ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'
- b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, the reference appears to certain International Standards for which Indian Standards do not exist. So, the technical committee has reviewed the provisions of the following International Standards/ documents referred in this adopted standard and has decided that they are acceptable for use in conjunction with this Standard:

<i>International Standards</i>	<i>Title</i>
ISO 3696	Water for analytical laboratory use — Specification and test methods

In this adopted standard, reference appears to certain International Standards where the standard atmospheric conditions to be observed are stipulated which are not applicable to tropical/subtropical countries. The applicable standard atmospheric conditions for Indian conditions are $(27 \pm 2)^{\circ}\text{C}$ and (65 ± 5) percent relative humidity and shall be observed while using this standard.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*Second Revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.