

**Leather - Chemical tests for the determination of certain
azo colorants in dyed leathers - Part 2: Determination of
4- aminoazobenzene (ISO 17234-2:2011)**

EVS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 17234-2:2011 sisaldab Euroopa standardi EN ISO 17234-2:2011 ingliskeelset teksti.

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English Version

Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4-aminoazobenzene (ISO 17234-2:2011)

Cuir - Essais chimiques pour le dosage de certains colorants azoïques dans les cuirs teints - Partie 2: Dosage du 4-aminoazobenzène (ISO 17234-2:2011)

Leder - Chemische Prüfungen zur Bestimmung bestimmter Azofarbstoffe in gefärbten Ledern - Teil 2: Bestimmung von 4-Aminoazobenzol (ISO 17234-2:2011)

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Foreword

This document (EN ISO 17234-2:2011:2011) has been prepared by Technical Committee CEN/TC 289 "Leather", the secretariat of which is held by UNI, in collaboration with the International Union of Leather Technologists and Chemists Societies.

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of an identical text or by endorsement, at the latest by September 2011, and conflicting national standards shall be withdrawn at the latest by September 2011.

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Leather — Chemical tests for the determination of certain azo colorants in dyed leathers —

Part 2: Determination of 4-aminoazobenzene

1 Scope

This part of ISO 17234 is supplementary to ISO 17234-1 and describes a special procedure to detect the use of certain azo colorants in commodities, which can release 4-aminoazobenzene. The procedure also detects 4-aminoazobenzene (Solvent Yellow 1) which is already available as free amine in commodities without reducing pretreatment.

Azo colorants that are able to form 4-aminoazobenzene generate, under the conditions of ISO 17234-1, the amines aniline and 1,4-phenylenediamine. The presence of these 4-aminoazobenzene colorants cannot be reliably ascertained without additional information (e.g. the chemical structure of the colorant used) or without a special procedure.

The use of certain azo colorants, which may release, by reductive cleavage of their azo group(s), one or more of the other aromatic amines listed in Annex XVII of Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), except 4-aminoazobenzene, cannot be determined quantitatively with this method.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2418, *Leather — Chemical, physical and mechanical and fastness tests — Sampling location*

ISO 4044, *Leather — Chemical tests — Preparation of chemical test samples*

3 General

Certain azo colorants may release by reductive cleavage of their azo group(s), 4-aminoazobenzene, which is proscribed under Annex XVII of Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Table 1 — 4-aminoazobenzene proscribed under Regulation REACH 1907/2006/Annex XVII

No.	CAS number	Index number	EC number	Substance
22	60-09-3	611-008-00-4	200-453-6	4-aminoazobenzene