DIN EN ISO 17234-1:2025-04 (E)

Leather - Chemical tests for the determination of certain azo colourants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colourants (ISO 17234-1:2024)

Contents

Page

European foreword ... 3

Foreword ... 4

1 Scope ... 5

2 Normative references ... 5

3 Terms and definitions ... 5

4 General ... 5

5 Principle ... 7

6 Safety precautions ... 7

7 Apparatus ... 7

8 Reagents ... 8

9 Sampling and preparation of samples ... 9

10 Procedure ... 9

10.1 Degreasing ... 9

10.2 Reductive cleavage ... 9

10.3 Liquid-liquid extraction ... 9

10.4 Check of the analytical system ... 10

11 Chromatographic analyses ... 10

12 Calibration ... 10

13 Evaluation ... 10

13.1 Calculation of amine in the sample ... 10

13.2 Reliability of the method ... 11

14 Test report ... 11

Annex A (informative) **Chromatographic analyses** ... 12

Annex B (informative) **Reliability of the method** ... 15

Annex C (informative) **Assessment guide — Interpretation of analytical results** ... 16

Annex D (informative) **Procedure for liquid/liquid extraction without diatomaceous earth** ... 22

Annex E (normative) **Colourants — Method for the determination of certain aromatic amines** ... 25

Annex F (normative) **Leather and colourants — Method for the determination of free aromatic amines** ... 26

Bibliography ... 29