

DIN EN ISO 18219-2:2021-09 (E)

Leather - Determination of chlorinated hydrocarbons in leather - Part 2: Chromatographic method for middle-chain chlorinated paraffins (MCCPs) (ISO 18219-2:2021)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Principle	6
5	Apparatus and materials	6
6	Reagents	7
7	Sampling	7
8	Sample preparation and analysis	7
8.1	Preparation of MCCPs calibration solution (50 µg/ml) with 55 % chlorination degree	7
8.2	Extraction of leather	8
8.3	Sulfuric acid clean-up	8
8.4	GC-ECNI-MS Determination	8
9	Expression of results	8
9.1	Evaluation	8
9.2	Ions used for quantification	8
9.3	Interference to MCCPs determination	8
9.4	Calculation	9
9.5	Precision	9
10	Test report	9
Annex A (informative) Gas chromatographic (GC-ECNI-MS) analysis operating parameters		11
Annex B (informative) Liquid chromatographic (LC-MS/MS) analysis operating parameters		13
Annex C (informative) Integration with peak shape evaluation (PSE) with GC-ECNI-MS		17
Bibliography		20