
**Footwear — Critical substances
potentially present in footwear and
footwear components —**

**Part 1:
Determination of phthalate with
solvent extraction**

*Chaussures — Substances critiques potentiellement présentes dans les
chaussures et les composants des chaussures —*

Partie 1: Détermination des phtalates par extraction au solvant

ISO 16181-1:2021

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Foreword

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This document was prepared by Technical Committee ISO/TC 216, *Footwear*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 309, *Footwear*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition of ISO 16181-1, together with ISO 16181-2, cancels and replaces ISO/TS 16181:2011, which has been technically revised.

The main changes compared to the previous edition are as follows:

- addition of number of phthalates from 7 to 26;
- addition of new [Clause 2](#) and [Clause 3](#), and renumbering of subsequent clauses;
- replacement of “n-hexane/acetone” with “toluene” and alternative “tetrahydrofuran” as extraction solution;
- splitting of former [Clause 3](#) into [Clauses 5](#) and [6](#), with technical modification;
- technical revision of [Clauses 4](#) and [5](#);
- deletion of [5.2.4](#);
- addition of [Clause 9](#);
- addition of [Annex D](#).

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