



**ISO 11890-1**

**Paints and varnishes —  
Determination of volatile organic  
compounds (VOC) and/or semi  
volatile organic compounds (SVOC)  
content —**

**Part 1:  
Gravimetric method for VOC  
determination**

*Peintures et vernis — Détermination de la teneur en composés  
organiques volatils (COV) et/ou composés organiques semi-  
volatils (COSV) —*

*Partie 1: Méthode gravimétrique pour la détermination des COV*

**Third edition  
2024-05**

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This document was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 16, *Chemical analysis*.

This third edition cancels and replaces the second edition (ISO 11890-1:2007), which has been technically revised.

The main changes are as follows:

- In the scope, for coating materials identified as case 1, the expected VOC content that can be determined by this document has been lowered from greater than 15 % to greater than 5 %, and matrices that were not previously covered by this document have been added;
- the scope has been expanded to include multi-pack coating materials, described as case 2 and radiation curable coating materials, described as case 3;
- the test method of non-volatile-matter content for multi-pack coating materials and radiation curable coating materials has been added;

A list of all parts in the ISO 11890 series can be found on the website.

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Due to the revision of ISO 11890-2, a revision of ISO 17895 and this document became necessary in order to avoid overlapping scopes. Additionally, ISO/TR 5601 was published as an informative document to help users selecting the appropriate analytical method for their analytical problem.