



**International
Standard**

ISO 7681

**Natural rubber field latex —
Determination of dry rubber content**

*Latex de plantation de caoutchouc naturel — Détermination de
la teneur en caoutchouc sec*

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 3, *Raw materials (including latex) for use in the rubber industry*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Natural rubber field latex — Determination of dry rubber content

WARNING — Persons using this document should be familiar with normal laboratory practice. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to determine applicable national regulatory conditions prior to use.

1 Scope

This document specifies a method for the determination of the dry rubber content of natural rubber field latex. The method is not suitable for latices from natural sources other than *Hevea brasiliensis*, or for compounded latex, vulcanized latex or artificial dispersions of rubber.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1 field latex

natural rubber latex with or without a preservative and prior to concentration or any other processing

Note 1 to entry: The preservative is added to maintain the original state of the latex as it came from the tree.

[SOURCE: ISO 1382:2020, 3.195]

3.2 dry rubber content *DRC*

(rubber latex) concentration of rubber in a latex or latex compound, usually expressed as a percentage by mass

[SOURCE: ISO 1382:2020, 3.156]

4 Principle

A sample of natural rubber field latex is coagulated, the non-rubber matter is removed and the rubber is dried. The dry rubber content is obtained by expressing the mass of dried coagulum as a percentage of the mass of latex.

5 Apparatus

Ordinary laboratory apparatus and the following.