
**Rubber, raw natural, and rubber
latex, natural — Determination of
nitrogen content**

*Caoutchouc brut naturel et latex de caoutchouc naturel — Dosage
de l'azote*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 documents 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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

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*.

This fifth edition cancels and replaces the fourth edition (ISO 1656:2014), which has been technically revised.

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

- an introduction has been added to explain the purpose of this revision;
- in [Clause 4](#), a known mass of the sample is now digested with a mixture of sulfuric acid and catalytic amounts;
- the list of reagents in [5.1](#) and [6.1](#) has been updated;
- in the formulae, the exact concentration of the standard volumetric solutions are expressed in eq/dm³ with three significant decimal figures;
- the content of total solids in latex has been changed from 2 g to 10 g in [5.3](#), and from 0,1 g of total solids to 5 g in [6.3](#);
- in [5.4.1](#), the tolerance on weighting of sample has been changed from 0,5 mg to 0,1 mg and the amount of catalyst mixture has been added;
- in [5.5](#), a note has been added to warn of the non-conformance of the blank test;
- In [Figures 8](#) and [10](#), the length of the condenser has been changed from 250 mm to 300 mm; and the length of the condenser tube has been changed from 500 mm to 600 mm;
- in [Clause 8](#), the note has been deleted since the concentrations of the standard volumetric solutions used have been standardization;