

Transformed

**ISO**

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**ISO RECOMMENDATION  
R 2004**

NATURAL RUBBER LATICES,  
CENTRIFUGED AND CREAMED, AMMONIA-PRESERVED  
SPECIFICATION

1st EDITION

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## BRIEF HISTORY

The ISO Recommendation R 2004, *Natural rubber latices, centrifuged and creamed, ammonia-preserved – Specification*, was drawn up by Technical Committee ISO/TC 45, *Rubber*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 2004, which was circulated to all the ISO Member Bodies for enquiry in May 1970. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	India	Sweden
Austria	Israel	Switzerland
Ceylon	Italy	Turkey
France	Malaysia	U.A.R.
Germany	New Zealand	United Kingdom
Greece	South Africa	U.S.A.
Hungary	Spain	U.S.S.R.

No Member Body opposed the approval of the Draft.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

## FOREWORD

This ISO Recommendation requires reference to the following ISO documents :

ISO Recommendation R 35, *Determination of the mechanical stability of latex*.

ISO Recommendation R 123<sup>(1)</sup>, *Sampling of latex*.

ISO Recommendation R 124<sup>(2)</sup>, *Determination of total solids of latex*.

ISO Recommendation R 125<sup>(2)</sup>, *Determination of alkalinity of latex*.

ISO Recommendation R 126, *Determination of dry rubber content of latex*.

ISO Recommendation R 127, *Determination of KOH number of latex*.

ISO Recommendation R 506, *Determination of volatile fatty acid number of latex*.

ISO Recommendation R 706, *Determination of coagulum content of latex*.

ISO Recommendation R 1654<sup>(3)</sup>, *Raw rubber and rubber latex – Determination of copper*.

ISO Recommendation R 1655<sup>(3)</sup>, *Raw rubber and rubber latex – Determination of manganese*.

ISO Recommendation R 1802, *Determination of boric acid in latex*.

ISO Recommendation R 2005<sup>(3)</sup>, *Natural rubber latices – Determination of sludge content*.

<sup>(1)</sup> 2nd edition, 1968.

<sup>(2)</sup> 2nd edition, 1966.

<sup>(3)</sup> At present at the stage of Draft ISO Recommendation.

**NATURAL RUBBER LATICES,  
CENTRIFUGED AND CREAMED, AMMONIA-PRESERVED  
SPECIFICATION**

**1. SCOPE**

This ISO Recommendation describes specifications for natural rubber latices which are preserved wholly or in part with ammonia and which have been concentrated by centrifuging or creaming. It does not apply to latices which have been concentrated by evaporation, or to latices from natural sources other than *Hevea brasiliensis* or to compounded latex or vulcanized latex.

This ISO Recommendation covers requirements for centrifuged and creamed natural rubber latices of the following types :

**NR latex, type HA.** Centrifuged latex preserved with ammonia only or with formaldehyde followed by ammonia, with an alkalinity of at least 1.6 %.

**NR latex, type LA.** Centrifuged latex preserved with ammonia together with other preservative(s), with an alkalinity of not more than 0.8 %.

**NR latex, type XA.** Centrifuged latex preserved with ammonia together with other preservative(s), with an alkalinity above 0.8 %.

**NR latex, type HA creamed.** Creamed latex preserved with ammonia only or with formaldehyde followed by ammonia, with an alkalinity of at least 1.6 %.

**NR latex, type LA creamed.** Creamed latex preserved with ammonia together with other preservative(s), with an alkalinity of not more than 1.0 %.

**2. REQUIREMENTS**

The latex should conform to the requirement for total solids content or to the requirement for dry rubber content, and should conform to all the other requirements given in the Table.

If the latex contains preservative(s) other than ammonia or formaldehyde, the type and approximate quantity of such other preservative(s) should be stated. The latex should not contain fixed alkali added at any stage in its production.

**3. SAMPLING**

The latex should be sampled by one of the methods described in ISO Recommendation R 123<sup>(1)</sup>, *Sampling of latex*.

<sup>(1)</sup> 2nd edition, 1968.