

INTERNATIONAL
STANDARD

ISO
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**Paper and board — Determination of alkali
reserve**

Papier et carton — Détermination de la réserve alcaline



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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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Introduction

Papers produced to be stable for long time periods normally contain some alkaline filler, such as calcium carbonate, as an alkali reserve to prevent attack from acid substances in ambient air or formed by deterioration of substances in the paper. Specifications for paper permeance may require a minimum alkali reserve. This ISO Standard is intended for checking the amount of alkali reserve present.

Normally, the required alkali reserve is obtained by adding some form of calcium carbonate to the paper furnish, but other substances can also be used for the purpose. By expressing the test result in moles per kilogram of alkaline substances and not as a calcium carbonate content, no confusion arises when alkaline substances other than calcium carbonate are used.