

# INTERNATIONAL STANDARD

ISO  
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Second edition  
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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION  
ORGANISATION INTERNATIONALE DE NORMALISATION  
МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

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## Surface active agents — Technical alkane sulfonates — Determination of alkane monosulfonates content by direct two-phase titration

*Agents de surface — Alcanesulfonates techniques — Détermination de la teneur en  
alcanemonosulfonates par titrage direct dans deux phases*

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Reference number  
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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 approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 6121 was prepared by Technical Committee ISO/TC 91, *Surface active agents*.

This second edition cancels and replaces the first edition (ISO 6121 : 1979), of which it constitutes a minor revision.

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## Introduction

The analytical method based on selective solvent extraction which has been applied successfully for the analysis of technical sodium alkane sulfonates in ISO 893 leads to only approximate results during the analytical examination of the products of sulfochlorination and sulfoxidation of paraffins, owing to the presence of alkane disulfonates, in addition to alkane monosulfonates, formed during the synthesis. However, because of the different properties and applications of mixtures with different relative proportions of mono- and disulfonates, the knowledge of the contents of such mixtures is of paramount importance.

Therefore, it seemed advisable to establish this method to allow the determination specifically of the alkane monosulfonates content. The method is applicable to all synthetic alkane sulfonates and minimizes interference due to disulfonates.

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