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ANSI Internat Doc Sect

Light olefins for industrial use — Determination of water — Guidelines for use of in-line analysers

*Oléfines légères à usage industriel — Dosage de l'eau — Directives pour l'utilisation
d'analyseurs en ligne*

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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 8917 was prepared by Technical Committee ISO/TC 47, *Chemistry*.

Annex A of this International Standard is for information only

Introduction

The exact determination of traces of water in gases is one of the most difficult analytical problems. This is due to the high tendency of the highly polar water molecules to adsorb on any glass or metal surface. Discontinuous sampling in sampling cylinders shall therefore be strictly avoided. The only solution to this problem is the continuous measurement by an in-line sensor in the continuous streaming sample gas flow.