



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 14756:2006

ICS 13.230

**DETERMINATION OF THE LIMITING OXYGEN
CONCENTRATION (LOC) FOR FLAMMABLE
GASES AND VAPOURS**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
<http://www.standards.ie>

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English Version

Determination of the limiting oxygen concentration (LOC) for flammable gases and vapours

Détermination de la concentration limite en oxygène (CLO)
des gaz et des vapeurs inflammable

Bestimmung der Sauerstoffgrenzkonzentration (SGK) für
brennbare Gase und Dämpfe

This European Standard was approved by CEN on 2 October 2006.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 14756:2006) has been prepared by Technical Committee CEN/TC 305 “Potentially explosive atmospheres - Explosion prevention and protection”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2007, and conflicting national standards shall be withdrawn at the latest by May 2007.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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EN 14756:2006 (E)

Introduction

This European Standard describes a method for the experimental determination of the limiting oxygen concentration (*LOC*) of mixtures consisting of flammable gas or vapour, air and inert gas. The *LOC* is the maximum concentration of oxygen in a mixture at which an explosion cannot occur at any fuel concentration. Explosion protection by "inerting" is based on the *LOC*.

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