

საქართველოს სტანდარტი

მტვრის ღრუბელის ფეთქებადობის მახასიათებლის განსაზღვრა - ნაწილი 3:
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ეროვნული სააგენტო
თბილისი

სსტ ენ 14034-3:2006+A1:2011/2015

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აკრძალულია ამ სტანდარტის გადაცემა მესამე პირებისათვის ან/და მისი სხვა ფორმით გავრცელება

English Version

Determination of explosion characteristics of dust clouds - Part 3: Determination of the lower explosion limit LEL of dust clouds

Détermination des caractéristiques d'explosion des nuages de poussière - Partie 3: Détermination de la limite inférieure d'explosivité LIE des nuages de poussière

Bestimmung der Explosionskenngrößen von Staub/Luft-Gemischen - Teil 3: Bestimmung der unteren Explosionsgrenze UEG von Staub/Luft-Gemischen

This European Standard was approved by CEN on 20 April 2006 and includes Amendment 1 approved by CEN on 13 November 2010.

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Foreword

This document (EN 14034-3:2006+A1:2011) 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of an identical text or by endorsement, at the latest by July 2011, and conflicting national standards shall be withdrawn at the latest by July 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document includes Amendment 1, approved by CEN on 2010-11-13.

This document supersedes EN 14034-3:2006.

The start and finish of text introduced or altered by amendment is indicated in the text by tags $\boxed{A1}$ $\boxed{A1}$.

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 Directives.

For relationship with the EU Directive 94/9/EC, see informative Annex ZA, which is an integral part of this document.

This European Standard is one of a series of standards as listed below:

EN 14034 "Determination of explosion characteristics of dust clouds"

- Part 1: Determination of the maximum explosion pressure p_{max} of dust clouds;
- Part 2: Determination of the maximum rate of explosion pressure rise $(dp/dt)_{max}$ of dust clouds;
- Part 3: Determination of the lower explosion limit LEL of dust clouds;
- Part 4: Determination of the limiting oxygen concentration LOC of dust clouds.

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საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.

Introduction

This European Standard specifies a method for experimental determination of the lower explosion limit of dust clouds. The lower explosion limit is the lowest concentration of a combustible dust in mixture with air at which an explosion occurs. The measurement of the lower explosion limit forms the basis for hazard identification and explosion prevention.

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