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NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 13938-7

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Will supersede EN 13938-7:2004

English Version

Explosives for civil uses - Propellants and rocket propellants - Part 7: Determination of safe and reliable ignition and complete deflagration of black powder

Explosifs à usage civil - Poudres propulsives et propergols pour fusées - Partie 7 : Détermination des propriétés de la poudre noire

Explosivstoffe für zivile Zwecke - Treibladungspulver und Raketentreibstoffe - Teil 7: Bestimmung der sicheren und zuverlässigen Anzündung und vollständigen Deflagration von Schwarzpulver

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 321.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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European foreword

This document (prEN 13938-7:2021) has been prepared by Technical Committee CEN/TC 321 "Explosives for civil uses", the secretariat of which is held by UNE.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 13938-7:2004.

In comparison with the previous edition, the following technical modifications have been made:

a) requirements regarding black powders have been reorganized and have been removed from the document since they are now addressed in prEN 13631-1:2021;

b) the normative references have been updated;

c) Clause 4, *Principle*, has been added;

d) technical revision for clarification purposes;

e) Annex A, *Range of applicability of test methods*, has been removed;

f) Annex ZA has been updated.

This document has been prepared under a Standardization Request (M/562) annexed to the Commission Implementing Decision C(2019)6634 final as regards Explosives for civil uses given to CEN by the European Commission and the European Free Trade Association, and supports Essential Safety requirements of Directive 2014/28/EU.

For relationship with Directive 2014/28/EU, see informative Annex ZA, which is an integral part of this document.

EN 13938, *Explosives for civil uses — Propellants and rocket propellants*, is currently composed of the following parts:

— *Part 1: Requirements*

— *Part 2: Determination of resistance to electrostatic discharge*

— *Part 3: Determination of deflagration to detonation transition*

— *Part 4: Determination of burning rate under ambient conditions*

— *Part 5: Determination of voids and fissures*

— *Part 6: Solid rocket propellants — Guide for the determination of integrity of inhibitor coatings*

— *Part 7: Determination of safe and reliable ignition and complete deflagration of black powder*