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## Determination of flash point — Pensky- Martens closed cup method

*Détermination du point d'éclair — Méthode Pensky-Martens en vase clos*



Reference number  
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## Contents

	Page
1 Scope .....	1
2 Normative references .....	1
3 Term and definition .....	2
4 Principle .....	2
5 Chemicals and materials .....	2
6 Apparatus .....	2
7 Apparatus preparation .....	3
7.1 Location of the apparatus .....	3
7.2 Cleaning the test cup .....	3
7.3 Apparatus assembly .....	3
7.4 Apparatus verification .....	3
8 Sampling .....	3
9 Sample handling .....	4
9.1 Petroleum products .....	4
9.1.1 Subsampling .....	4
9.1.2 Samples containing undissolved water .....	4
9.1.3 Samples that are liquid at ambient temperature .....	4
9.1.4 Samples that are semi-solid or solid at ambient temperature .....	4
9.2 Paints and varnishes .....	4
10 Procedure .....	4
10.1 General .....	4
10.2 Procedure A .....	4
10.3 Procedure B .....	5
11 Calculation .....	5
11.1 Conversion of barometric pressure reading .....	5
11.2 Correction of observed flash point to standard atmospheric pressure .....	6
12 Expression of results .....	6
13 Precision .....	6
13.1 General .....	6
13.2 Repeatability, $r$ .....	6
13.3 Reproducibility, $R$ .....	7
14 Test report .....	7

## Annexes

A Apparatus verification .....	8
B Pensky-Martens closed cup test apparatus .....	11
C Thermometer specifications.....	17
D Adaptor for low-range thermometer .....	18
Bibliography.....	21

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 2719 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*.

This third edition cancels and replaces the second edition (ISO 2719:1988), which has been technically revised.

Annexes B and C form a normative part of this International Standard. Annexes A and D are for information only.

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## Introduction

Flash point values may be used in shipping, storage, handling and safety regulations, as a classification property to define "flammable" and "combustible" materials. Precise definition of the classes is given in each particular regulation.

A flash point value may indicate the presence of highly volatile material(s) in a relatively non-volatile or non-flammable material and flash point testing may be a preliminary step to other investigations into the composition of unknown materials.

Flash point determinations should not be carried out on potentially unstable, decomposable, or explosive materials, unless it has been previously established that heating the specified quantity of such materials in contact with the metallic components of the flash point apparatus within the temperature range required for the method will not induce decomposition, explosion or other adverse effects.

The interpretation of flash point results obtained on material containing halogenated hydrocarbons should be considered with caution, as these mixtures can give anomalous results.