

PAS 8850:2020

Non-combusted tobacco products –
Heated tobacco products and electrical
tobacco heating devices – Specification

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Foreword

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Acknowledgement is given to Maxim Belushkin (PMI), as the Technical Author of this PAS, and the following organizations that were involved in the development of this PAS as members of the steering group:

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- Inter Regulatory
- Japan Tobacco International (JTI)
- Philip Morris International (PMI)
- University College London (UCL)

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The provisions of this PAS are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is "shall".

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Where words have alternative spellings, the preferred spelling of the Shorter Oxford English Dictionary is used (e.g. "organization" rather than "organisation").

Requirements in this PAS are drafted in accordance with *Rules for the structure and drafting of UK standards*, subclause J.1.1, which states, "Requirements should be expressed using wording such as: 'When tested as described in Annex A, the product shall ...'". This means that only those products that are capable of passing the specified test will be deemed to conform to this PAS.

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Compliance with a PAS cannot confer immunity from legal obligations.

Particular attention is drawn to the Tobacco and Related Products Regulations 2016 [1], or other local regulations as applicable.

0 Introduction

0.1 General

Heated tobacco products (HTP) are alternatives to cigarette smoking. It is therefore important to provide requirements governing the quality, safety and performance (emissions) of heated tobacco products across their complete life cycle from manufacturer to consumer.

0.2 Motivation behind the creation of PAS 8850

In order for producers and distributors of HTP to be able to provide assurance to the public, it is important to control how products are made, what goes into them, and what emissions are produced during their use. The requirements specified in this PAS are provided to assist producers and distributors in assessing their products for these factors and demonstrating differentiation of their heated tobacco products from combustible tobacco products such as cigarettes.

0.3 Safety, quality, and performance

Safety and quality specifications are necessary to provide minimum expectations of producers and reassurance both to regulators and the public that product safety and quality is maintained across batches and can be reliably demonstrated with documentary evidence. Product performance specifications are necessary to allow both regulators and the public access to test methodologies and clear acceptance criteria differentiating heated tobacco products from combustible products such as cigarettes.

1 Scope

This PAS specifies performance requirements for heated tobacco products and tobacco heating devices. This PAS covers:

- tobacco;
- additives and materials used in the manufacture of heated tobacco product;
- conformity of electronic components to relevant safety standards;
- manufacturing and product traceability;
- heated tobacco product stability;
- chemical analyses of tobacco attributes; and
- heated tobacco product emissions and their consistency to verify the absence of combustion and to enable heated tobacco products to be differentiated from combustible tobacco products such as cigarettes.

This PAS establishes quantitative criteria which differentiate heated tobacco products from combustible tobacco products.

This PAS does not imply reduced risk from heated tobacco products compared to cigarette smoking.

This PAS is intended to be used by manufacturers of heated tobacco products and tobacco heating devices. Other organizations could also benefit from this PAS, such as trade associations, regulatory enforcement agencies, such as local councils, or importers.

This PAS does not cover:

- non-tobacco containing e-cigarette products within the scope of PAS 54115;
- carbon-heated tobacco products; or
- other types of heated tobacco products with non-electrical heating devices, and water pipes, such as shisha and nargil.

This PAS does not provide a method for assessing the health risks or potential reduced health risks of heated tobacco products.

***NOTE** This PAS maintains technological neutrality through its requirements for producers. This means that products falling into the category of heated tobacco products with tobacco heating devices as defined in PAS 8850 can conform, irrespective of their particular design or technology. In this way it also aims to prevent restricting innovation and emerging technologies.*