

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-19529-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **11.10.2024**

Date of issue: 11.10.2024

Holder of accreditation certificate:

**ASL Analytic Service Laboratory GmbH
Schnackenburgallee 15, 22525 Hamburg**

with the location

**ASL Analytic Service Laboratory GmbH
Schnackenburgallee 15, 22525 Hamburg**

The testing laboratory meets the requirements according to DIN EN ISO/IEC 17025:2018 to perform the conformity assessment activities listed in this annex. The testing laboratory complies with additional legal and normative requirements, including those in relevant sectoral programs, where applicable, provided these are explicitly confirmed below.

The requirements for the management system in DIN EN ISO/IEC 17025 are written in a language relevant to testing laboratories and are generally in accordance with the principles of DIN EN ISO 9001.

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

This document is a translation. The definitive version is the original German accreditation certificate.

Abbreviations used: see last page

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Tests in the fields:

Physical, physico-chemical and chemical analysis of tobacco, tobacco products, smoking and vapour products, e-liquids and filter rods for use in smoking and vapour products

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

1 Physical analysis

ISO 2971 2013-04	Cigarettes and filter rods - Determination of nominal diameter - Method using a non-contact optical measuring apparatus
ISO 6565 2015-12	Tobacco and tobacco products - Draw resistance of cigarettes and pressure drop of filter rods - Standard conditions and measurement
QE-18/VA-01-PA-T07 2019-08	Determination of the drying loss in tobacco ("moisture determination")

2 Physico-chemical and chemical analysis

ISO 4387 2019-09	Cigarettes - Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine
ISO 6488 2021-06	Tobacco and tobacco products - Determination of water content - Karl Fischer method
ISO 8454 2024-04	Cigarettes - Determination of carbon monoxide in the vapour phase of cigarette smoke - NDIR method
ISO 10315 2021-06	Cigarettes — Determination of nicotine in total particulate matter from the mainstream smoke — Gas-chromatographic method
ISO 10362-1 2019-07	Cigarettes - Determination of water in smoke condensates – Part 1: Gas chromatographic method
ISO 10362-2 2013-10	Cigarettes - Determination of water in smoke condensates - Part 2: Karl Fischer method

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ISO 12863 2010-09	Standard test method for assessing the ignition propensity of cigarettes
ISO 15152 2003-04	Tobacco - Determination of the content of total alkaloids as nicotine - Continuous-flow analysis method
ISO 15153 2003-04	Tobacco - Determination of the content of reducing substances - Continuous-flow analysis method
ISO 20714 2019-08	E-liquid - Determination of nicotine, propylene glycol and glycerol in liquids used in electronic nicotine delivery devices - Gas chromatographic method
DIN 10373 2011-05	Analysis of tobacco and tobacco products - Determination of nicotine content - Gaschromatographic method
ASTM E 2187a 2024	Standard Test Method for Measuring the Ignition Strength of Cigarettes

Abbreviations used:

ASTM	American Society for Testing and Materials
DIN	Deutsches Institut für Normung e. V. (German Institute for Standardization)
EN	European standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
QE-XX/VA-XX-PA-TXX	In-house method of ASL Analytic Service Laboratory GmbH