

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-14599-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: July 8, 2022

Date of issue: July 8, 2022

Holder of certificate:

JT International Germany GmbH
Quality Assurance Laboratories
Diedenhofener Straße 20-30, 54294 Trier

Tests in the fields:

physical, physico-chemical and chemical analysis of tobacco, tobacco products, filter plugs, filter joining paper, wrapping materials and flavour mixtures; sampling of cigarettes; physico-chemical analysis of liquids and tobacco sticks for electronic cigarettes; testing of safety requirements for batteries

The testing laboratory is permitted to apply the listed standardised or equivalent test methods with different versions of the standards without obtaining prior notification and consent from DAkkS.

The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.

*The certificate together with the annex 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/en/accredited-bodies-search.html>.*

Abbreviations used: see last page

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1 Sampling of cigarettes

DIN ISO 8243 Cigarettes – Sampling
2015-12

2 Physical, physico-chemical and chemical analysis of tobacco and tobacco products

2.1 Physical analysis

DIN ISO 2971 Cigarettes and filter rods – Determination of the nominal diameter –
2015-12 Method using a laser beam measuring apparatus

DIN ISO 3550-1 Cigarettes – Determination of loss of tobacco from the ends –
2005-02 Part 1: Method using a rotating cylindrical cage

DIN ISO 6565 Tobacco and tobacco products – Draw resistance of cigarettes and
2017-12 pressure drop of filter rods – Standard conditions and measurement

DIN EN ISO 12863 Standard test method for assessing the ignition propensity of
2016-12 cigarettes

ASTM D 6450 Standard Test Method for Flash Point by Continuously Closed Cup
2016-10 (CCCFP) Tester

ASTM E 2187 Standard Test Method for Measuring the Ignition Strength of
2020-04 Cigarettes
(Modification: *Semi-automatic method*)

QAT4004SOP Measurement of the viscosity of flavour mixtures by plate-plate
2019-05 rotational viscometer

QAT4006SOP Measurement of the relative density of flavour mixtures using the
2019-11 oscillating body method (U-tube)

QAT4007SOP Measurement of the pH value of flavour mixtures using a pH meter
2019-05

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2.2 Physico-chemical and chemical analysis

ISO 2817 1999-07	Tobacco and tobacco products – Determination of silicate residues insoluble in hydrochloric acid (Modification: <i>Moisture determination as an alternative to Karl-Fischer titration also with Stromboli oven</i>)
ISO 6488 2021-06	Tobacco and tobacco products – Determination of water content – Karl Fischer method
DIN ISO 10362-1 2021-02	Cigarettes – Determination of water in smoke condensates – Part 1: Gas chromatographic method
ISO 13110 2012-10	Cigarettes – Determination of menthol in smoke condensates – Gas chromatographic method
DIN ISO 3402 2000-12	Tobacco and tobacco products – Atmosphere for conditioning and testing
DIN ISO 4387 2021-03	Cigarettes – Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine
DIN ISO 8454 2021-02	Cigarettes – Determination of carbon monoxide in the vapour phase of cigarette smoke – NDIR method
DIN ISO 10315 2016-12	Cigarettes – Determination of nicotine in smoke condensates – Gas chromatographic method
DIN ISO 15592-2 2005-05	Fine-cut tobacco and smoking articles made from it – Methods of sampling, conditioning and analysis – Part 2: Atmosphere for conditioning and testing
DIN ISO 15592-3 2011-07	Fine-cut tobacco and smoking articles made from it – Methods of sampling, conditioning and analysis – Part 3: Determination of total particulate matter of smoking articles using a routine analytical smoking machine, preparation for the determination of water and nicotine, and calculation of nicotine-free dry particulate matter
DIN 10373 2011-05	Analysis of tobacco and tobacco products – Determination of nicotine content – Gas chromatographic method (Modification: <i>Moisture determination as an alternative to Karl Fischer titration also with microwave, Hearson oven or halogen dryer</i>)
HC T-115 1999-12	Determination of “Tar”, Nicotine and Carbon Monoxide in Mainstream Tobacco Smoke

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QAT4001SOP
2022-01 Determination of menthol in tobacco and tobacco products by gas chromatography

3 Physical analysis of filter plugs, filter joining paper and wrapping materials

DIN ISO 2965
2021-01 Materials used as cigarette papers, filter plug wrap and filter joining paper, including materials having a discrete or oriented permeable zone and materials with bands of differing permeability – Determination of air permeability (ISO 2965:2019)

4 Physico-chemical analysis of liquids and tobacco sticks for electronic cigarettes

ISO 20714
2019-08 E-liquid – Determination of nicotine, propylene glycol and glycerol in liquids used in electronic nicotine delivery devices – Gas chromatographic method

ISO/CD 24197
2020
Draft Vapour products – Determination of e-liquid vaporised mass and aerosol collected mass

ISO/DIS 24199
2020
Draft Vapour products – Determination of nicotine in vapour product emissions – Gas chromatographic method

QAT5970SOP
2022-03 Determination of carbonylene in aerosol of reduced risk products – HPLC method

5 Testing of safety requirements for batteries

DIN EN 61960-3
2017-12 Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications – Part 3: Prismatic and cylindrical lithium secondary cells, and batteries made from them
(IEC 61960-3:2017); German version EN 61960-3:2017)
(Restriction: *Here only discharge behaviour at 20 °C test method (rated capacity (section 7.3.1))*)

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DIN EN 62133-2 2017-11	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications – Part 2: Lithium systems (IEC 62133-2:2017); German version EN 62133-2:2017) (Restriction: <i>Here only free fall (section 7.3.3) and thermal mistreatment (cells) test methods (section 7.3.4)</i>)
UL 1642 2020-09	Standard for safety – Lithium batteries (Restriction: <i>Here only low pressure (altitude simulation) test test method (section 19)</i>)
UL 1642 2020-09	Standard for safety – Lithium batteries (Restriction: <i>Here only vibration test test method (section 16)</i>)
ANSI/CAN/UL 8139 2020	Standard for Electrical Systems of Electronic Cigarettes and Vaping Devices (Restriction: <i>Here only drop test test method (section 29)</i>)

Abbreviations used:

ANSI/CAN/UL	Joint Canada-United-States National Standard
ASTM	American Society for Testing and Material
CD	Committee draft
DIN	Deutsches Institut für Normung (German Institute for Standardization)
DIS	Draft international standard
EN	European standard
HC T	Health Canada – Tobacco Control Programme, Ottawa, Canada K1A 0K9; Official Method
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
QATXXXXSOP	In-house method of JTI GQA Laboratories
UL	Underwriters Laboratories Corporation

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