

	<p style="text-align: center;">ACCREDITATION DOCUMENT</p>	<p>F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 015</p>
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Accreditation No: LAB 015

Awarded to

Product Laboratory
Pakistan Tobacco Company Limited
Akora Khattak District Nowshera Pakistan.

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **24-10-2005** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017**.

The accreditation requires regular surveillance, and is valid until **15-06-2028**.

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

PAKISTAN NATIONAL ACCREDITATION COUNCIL

09-07-2025
Date

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Director General

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Testing Laboratory.

Accreditation Scope of Product Laboratory, Pakistan Tobacco Company Limited,
Akora Khattak, District Nowshera, Pakistan.

Permanent laboratory premises ☒

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured /technique	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
1. Cigarette	Material / Component Testing	Total Particulate Matter and Puff No.	ISO 4387:2019 Determination of total & nicotine free dry particulate matter using a routine analytical smoking machine ISO 3308:2012 Routine Analytical cigarette smoking Machine Definitions and standard conditions BAT GAT-S 0001/06 Determination of total & nicotine free dry particulate matter in Cigarette smoke using a routine analytical smoking machine
2. Smoke Extract	Material / Component Testing	Total Nicotine Alkaloids in Smoke	ISO 10315:2021 Determination of nicotine in total particulate matter from the mainstream smoke — Gas-chromatographic method BAT GAT-S 0005/01 Determination of nicotine in smoke using a Gas Chromatographic method
3. Smoke Extract	Material / Component Testing	Water in Smoke	ISO 10362-1:2019 Cigarettes — Determination of water in total particulate matter from the mainstream smoke- Part 1: Gas-chromatographic method BAT GAT-S 0004/02 Determination of water in smoke condensate using a Gas-chromatographic method

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4. Cigarette/Filters	Physical Testing	Weight	BAT GAT P0017/03 Determination of Weight in Cigarettes, Filters, and Modern White Oral Product
5. Cigarette/Filters	Physical Testing	Circumference	ISO 2971:2013 Cigarettes and filter rods - Determination of nominal diameter - Method using a laser beam measuring apparatus BAT GAT-P 0002/05 Determination of nominal diameter of cigarettes and filter rods using a non-contact optical measuring apparatus
6. Cigarette/Filters	Physical Testing	Pressure Drop	ISO 6565:2015 Tobacco and tobacco products - Draw resistance of cigarettes and pressure drop of filter rods - Standard conditions and measurement BAT GAT-P 0009/03 Determination of draw resistance and pressure drop in cigarettes and filter rods using a test station
7. Cigarette	Physical Testing	Ventilation	ISO 9512:2019 Determination of Ventilation - Definitions and measurement principles BAT GAT – P0010/03 Determination of ventilation in cigarettes using a test station
8. Cigarette	Physical Testing	Cigarette & Cig. Component lengths	BAT SMA A.2.1 Mar 2000 Measurement of Cigarette & Cigarette Components Length
9. Cigarette	Material Testing	Paper Permeability	ISO 2965:2019 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 BAT GAT-P 0004/04 Determination of air Permeability of paper materials as cigarette papers, filter plug wrap and filter joining paper

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10. Cigarette	Physical Testing	Ends Stability	ISO 3550-1:1997 Determination of loss of tobacco from the ends - Part 1: Method using a rotating cylindrical cage) BAT GAT P0016/03 Determination of loss of tobacco from the ends using a cylindrical cage
11. Cigarette / Filters	Physical Testing	Cigarette / Filter Firmness	BAT GAT P006/02 Determination of the firmness of cigarettes using a densimeter or test station BAT GAT P0026/03 Determination of hardness in filter rods using a densimeter or test station
12. Tobacco	Chemical Testing	Total Nicotine Alkaloids (as Nicotine) in tobacco	ISO 15152:2003 Determination of the content of total alkaloids as nicotine - Continuous-flow Analysis Method BAT GAT-C 0001/09 Determination of total alkaloids as nicotine in tobacco using a continuous-flow analysis method with KCN
13. Tobacco	Chemical Testing	Total Sugars	BAT GAT-C 0002/06 Determination of total sugars in tobacco and THP recon using a continuous-flow analysis method
14. Tobacco	Chemical Testing	Chlorides in tobacco	BAT GAT-C 0004/03 Determination of chloride in tobacco using a Continuous flow analysis method
15. Tobacco	Material / Component Testing	Oven Volatiles in tobacco	BAT GAT-P0001/07 Determination of tobacco moisture content (Oven Volatiles) using the BAT Oven for 3hr at 110°C

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