

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 10/08/15 Rev. No: 07 LAB 015
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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 17025:2005**.

The accreditation requires regular surveillance, and is valid until **15-06-2022**.

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

08/07/2019

Date

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	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Cigarette	Material / Component Testing	Total Particulate Matter and Puff No.	ISO 4387 Determination of total & nicotine free dry particulate matter using a routine analytical smoking machine ISO 3308 Routine Analytical cigarette smoking Machine Definitions and standard conditions BAT GAT-S 0001/04 Cigarette - Determination of total & nicotine free dry particulate matter using a routine analytical smoking machine BAT SMA C 5.8 Jul 1994 Determination of Total Particulate Matter Gravimetrically using Smoking Machine SM 400
Smoke Extract	Material / Component Testing	Total Nicotine Alkaloids in Smoke	ISO 10315 Determination of Nicotine in smoke condensates - Gas-chromatographic method BAT SMA C.4.1 Aug 2001 Determination of Nicotine in smoke by Flame Ionisation Detection through Gas Chromatograph

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Smoke Extract	Material / Component Testing	Water in Smoke	ISO 10362-1 Determination of water in smoke condensates - Part 1: Gas-chromatographic method BAT SMA C.4.1 Aug 2001 Determination of Water in smoke by Thermal Conductivity Detection through Gas Chromatograph
Cigarette	Physical Testing	Cigarette Weight	BAT GAT P0017/01 Determination of weight - Cigarettes & Filters
Cigarette	Physical Testing	Circumference	ISO 2971 Cigarettes and filter rods - Determination of nominal diameter - Method using a laser beam measuring apparatus BAT GAT-P 0002/02 Cigarettes & Filter rods - determination of nominal diameter-method using a non contact optical measuring apparatus
Cigarette/Filters	Physical Testing	Pressure Drop	ISO 6565 Tobacco and tobacco products - Draw resistance of cigarettes and pressure drop of filter rods - Standard conditions and measurement BAT GAT-P 0009/02 Cigarettes and filter rods - Determination of Draw Resistance and Pressure Drop
Cigarette	Physical Testing	Ventilation	ISO 9512 Determination of Ventilation BAT GAT – P0010/02 Cigarettes - Determination of ventilation
Cigarette	Physical Testing	Cigarette & Cig. Component lengths	BAT SMA A.2.1 Mar 2000 Measurement of Cigarette & Cigarette Components Length
Cigarette	Material Testing	Paper Permeability	ISO 2965 Determination of Air Permeability BAT GAT-P 0004/01 Determination of Air permeability

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Cigarette	Physical Testing	Ends Stability	ISO 3550-1 Determination of loss of tobacco from the ends - Part 1: Method using a rotating cylindrical cage) BAT GAT P0016/01 Determination of Loss of Tobacco from the ends using a cylindrical cage
Cigarette / Filters	Physical Testing	Cigarette / Filter Firmness	BAT GAT P006/01 Determination of the Firmness of Cigarettes BAT GAT P0026/01 Filter Rod Hardness
Tobacco	Chemical Testing	Total Nicotine Alkaloids (as Nicotine) in tobacco	ISO 15152 Determination of the content of total alkaloids as nicotine - Continuous-flow Analysis Method BAT GAT-C 0001/05 Determination of the content of total alkaloids as nicotine - Continuous-flow analysis method
Tobacco	Chemical Testing	Total Sugars	BAT GAT-C 0002/04 Determination of the content of total sugars in tobacco by - Continuous-flow analysis method
Tobacco	Chemical Testing	Chlorides in tobacco	BAT GAT-C 0004/01 Determination of chloride content in tobacco - Continuous-flow analysis method
Tobacco	Material / Component Testing	Oven Volatiles in tobacco	BAT GAT-P0001/05 Tobacco Moisture Content (oven volatiles):BAT Oven for 3hr @110 degree C

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Director