Accreditation No: LAB 178

Awarded to

KTM Environmental & Leather Testing Laboratory, Khawaja Tannery Pvt. Limited Multan, 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 **23-07-2019** 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 **22-10-2025.**

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

22-07-2025
Date

SD
Director General

Testing Laboratory.

Accreditation Scope of KTM Environmental & Leather Testing Laboratory, Khawaja Tanneries Pvt. Limited, Nawab Pur Road, Basti Khair Shah, Multan

Permanent laboratory premises X

Materials/ Product Tested	Testing Field (e.g. Environmental or Mechanical Testing	Types of Test / Properties Measured	Reference to Standardized Method
Leather	Physical & Mechanical	**Tear Strength (Single Edge)**	ISO 3377-1:2011 (IULTCS/IUP 40)
Leather	Physical & Mechanical	**Tear Strength (Double Edge)**	ISO 3377-02:2016 (IULTCS/IUP 8)
Leather	Physical & Mechanical	**Sample Preparation & Conditioning**	ISO 2419:2012 (IULTCS/IUP 01 & 03)
Leather	Physical & Mechanical	**Thickness of Leather**	ISO 2589:2016 (IULTCS/IUP 4)
Leather	Physical & Mechanical	**Tensile Strength & Percentage Extension**	ISO 3376:2020 (IULTCS/IUP 6)
Leather	Physical & Mechanical	**Dynamic Water Resistance by Maeser Tester**	ISO 5403-2:2011 (IULTCS/IUP 10-2)
Leather	Physical & Mechanical	**Determination of Softness**	ISO 17235:2015 (IULTCS/IUP 36)
Leather	Physical & Mechanical	**Distension & Strength of Surface (Ball Burst Method)**	ISO 3379:2015 (IULTCS/IUP 9)
Leather	Colour fastness	**Colour Fastness to Perspiration**	ISO 11641:2012 (IULTCS/IUF 426)
Leather	Colour fastness	**Colour Fastness to Cycles of To and Fro Rubbing**	ISO 11640:2018 (IULTCS/IUF 450)
Leather	Colour fastness	**Colour Fastness to Crocking**	ISO 20433:2012 (IULTCS/IUF 452)

22-07-2025
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Sd
Director

Leather	Colour fastness	**Colour Fastness to Water**	ISO 11642:2012 (IULTCS/IUF 421)
Leather	Chemical	**Chromic Oxide Content in Leather**	ISO 5398-1:2018 (IULTCS/IUC 8:1)
Leather	Chemical	**Chromium (VI) Content in Leather**	ISO 17075-1 :2017 (IULTCS/IUC 18-1)
Leather	Chemical	**pH of Leather**	ISO 4045 :2018 (IULTCS/IUC 11)
Leather	Chemical	**Preparation of Chemical Test Sample**	ISO 4044:2017 (IULTCS/IUC 03)
Leather	Chemical	**Determination of Volatile Matter**	ISO 4684:2005 (IULTCS/IUC 5)
Water & Wastewater	Environmental	**pH**	APHA-4500-H+ B
Water & Wastewater	Environmental	**Conductivity**	APHA-2510 B
Water & Wastewater	Environmental	**Total Suspended Solids (TSS)**	APHA-2540 D
Water & Wastewater	Environmental	**Total Dissolved Solids (TDS)**	APHA-2540 C
Water & Wastewater	Environmental	**Chloride**	APHA- 4500-Cl^-.B ISO 9297:1989
Water & Wastewater	Environmental	**Sulphate**	APHA-4500-SO_4^{2-} .E HACH Method 8051
Water & Wastewater	Environmental	**Chemical Oxygen Demand (COD)**	APHA-5220 C APHA-5220 D HACH Method 8000

22-07-2025
Date

Sd
Director