

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 178
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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 **22-07-2022**.

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

29-01-2021
Date

Sd.
Director General

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Testing Laboratory.

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

Permanent laboratory premises

S No	Materials/ Product Tested	Testing Field (e.g. Environmental or Mechanical Testing)	Types of Test / Properties Measured	Reference to standardized method (e.g. ISO 14577- 1:2003)/ Internal method reference
1.	Leather	Physical & Mechanical	Tear Strength (Single Edge)	ISO 3377-1:2011 (IULTCS/IUP 40)
2.	Leather	Physical & Mechanical	Tear Strength (Double Edge)	ISO 3377-02:2016 (IULTCS/IUP 8)
3.	Leather	Physical & Mechanical	Sample Preparation & Conditioning	ISO 2419:2012 (IULTCS/IUP 01 & 03)
4.	Leather	Physical & Mechanical	Thickness of Leather	ISO 2589:2016 (IULTCS/IUP 4)
5.	Leather	Physical & Mechanical	Tensile Strength & Percentage Extension	ISO 3376:2020 (IULTCS/IUP 6)
6.	Leather	Physical & Mechanical	Dynamic Water Resistance by Maeser Tester	ISO 5403-2:2011 (IULTCS/IUP 10-2)
7.	Leather (New)	Physical & Mechanical	Determination of Softness	ISO 17235:2015 (IULTCS/IUP 36)
8.	Leather (New)	Physical & Mechanical	Distension & Strength of Surface (Ball Burst Method)	ISO 3379:2015 (IULTCS/IUP 9)
9.	Leather (New)	Colour fastness	Colour Fastness to Perspiration	ISO 11641:2012 (IULTCS/IUP 426)
10.	Leather (New)	Colour fastness	Colour Fastness to Cycles of To and Fro Rubbing	ISO 11640:2018 (IULTCS/IUP 450)

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11.	Leather (New)	Colour fastness	Colour Fastness to Crocking	ISO 20433:2012 (IULTCS/IUF 452)
12.	Leather (New)	Colour fastness	Colour Fastness to Water	ISO 11642:2012 (IULTCS/IUF 421)
13.	Leather	Chemical	Chromic Oxide Content in Leather	ISO 5398-1:2018 (IULTCS/IUC 8:1)
14.	Leather	Chemical	Chromium (VI) Content in Leather	ISO 17075-1 :2017 (IULTCS/IUC 18-1)
15.	Leather	Chemical	pH of Leather	ISO 4045 :2018 (IULTCS/IUC 11)
16.	Leather	Chemical	Preparation of Chemical Test Sample	ISO 4044:2017 (IULTCS/IUC 03)
17.	Leather (New)	Chemical	Determination of Volatile Matter	ISO 4684:2005 (IULTCS/IUC 5)
18.	Water & Wastewater (New)	Environmental	pH	APHA-4500-H+ B
19.	Water & Wastewater (New)	Environmental	Conductivity	APHA-2510 B
20.	Water & Wastewater (New)	Environmental	Total Suspended Solids (TSS)	APHA-2540 D
21.	Water & Wastewater (New)	Environmental	Total Dissolved Solids (TDS)	APHA-2540 C
22.	Water & Wastewater (New)	Environmental	Chloride	APHA- 4500-Cl ⁻ .B ISO 9297:1989
23.	Water & Wastewater (New)	Environmental	Sulphate	APHA-4500-SO ₄ ²⁻ .E HACH Method 8051
24.	Water & Wastewater (New)	Environmental	Chemical Oxygen Demand (COD)	APHA-5220 C APHA-5220 D HACH Method 8000

29-01-2021
Date

Sd.
Director