



INTERNATIONAL TESTING CENTRE

TEST CERTIFICATE

Customer Name : Yaqoob Tanners.

Test report No. : 2K2312220

Contact person : Mr.

Date of Entry : 20.12.2023

Address : 112-F, Chhabiley Purwa, Jajmau, Kanpur (U.P.) - 208010

Sample description: Safety Shoe (Size – 8)

Page : 1/1

Details : Article – ZM – 18 , Brand - Zain

Specification : IS 15298 (Part-2) – 2016, Classification - I + ASTM F2413-18

Testing period : 22.12.2023 to 02.01.2024

Reporting date : 02.01.2024

Laboratory Environment

Temperature 27 +/-2°C

Relative Humidity 65+/-5%

The sample was conditioned for 48 hours.

S.No.	Test Name	Clause	Value	Requirement	Conformity
Test on Whole Footwear- 5.3					
a.	Upper/Outsole bond	5.3.1.2	5.4 N/mm	4 N/mm (minimum)	Conforms
Toe Protection (5.3.2) – Composite Toe Cap					
a.	Impact resistance at 200 J	5.3.2.3	15.0 mm No crack observed.	14.0 mm (min.) , toecap shall not develop any cracks on the test axis.	Conforms
b.	Compression resistance-15 kN	5.3.2.4	14.0 mm	14.0 mm (minimum)	Conforms
c.	Slip resistance – 5.3.5 (SRA)	5.3.5.2	0.30 0.38	Coefficient of friction for Condition A(Forward heel slip)≥0.28 Condition B(Forward flat slip)≥ 0.32	Conforms
Test on Upper (5.4)					
a.	Tear strength	5.4.3	279 N	120 N (minimum)	Conforms
b.	Tensile strength	5.4.4	34.8 N/mm ²	15 N/mm ² (minimum)	Conforms
Test on Outsole – 5.8					
a.	Abrasion resistance	5.8.4	170.3 mm ³	250 mm ³ (max.) density ≤ 0.9g/cc	Conforms


*High Voltage test up to 18 kV *(ASTM F 2413-18)

Value

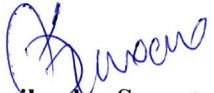
No Arc Flashing and current leakage is 0.43 mA for 60 seconds.

Requirement

No Arc Flashing and current leakage < 1 mA for 60 seconds.


Rajesh Mishra
(Senior Technologist)
Authorized Singatory




Shailendra Saxena
(Head Physical Laboratory)
Authorized Singatory

*** END OF TEST REPORT ***

1. This report is for technical information of the client only. Not for advertisement, promotion, publicity litigation or legal purpose.
2. This institute shall be indemnified against any dispute arising out of issue of this report.
3. Sample not drawn by FDDI and the test results relate only to the material tested.
4. The report must not be reproduced except in full without approved of FDDI.

FOOTWEAR DESIGN & DEVELOPMENT INSTITUTE
MINISTRY OF COMMERCE & INDUSTRY, GOVERNMENT OF INDIA