

TEST REPORT

Report No.: 66.430.24.2215.01

Dated: 2024-11-01



中国认可
国际互认
检测
TESTING
CNAS L7038



Applicant: Shanghai Langfeng Industrial Co., Ltd
Address: Room 910, Building 6, Luxiang Road 111, Shanghai, China
Contact Person: Jay Yuan

Sample Submitted: The sample(s) was (were) submitted by applicant and identified:
A. Black safety shoes (the whole shoe) - size 44 - 2 pairs
B. Black cow leather for upper - 2 pieces
C. Black rubber piece for outsole - 2 pieces

Sample Description: Safety Shoes
Colour: Black
Style No.: M-8565

Sample Received Date: 2024-08-27 and 2024-10-28
Date of Testing: 2024-08-28 to 2024-10-30

Test Result(s): Refer to the Section 2 and 3

Note:

(1) Each order is subject to acceptance of our [General Terms and Conditions](#) and the [TUV SUD Testing, Certification, Validation and Verification Regulation](#), in the version valid at the time the contract is concluded. For full version of above both documents, please visit the link to view.

(2) The results in this report are relevant only to the sample(s) tested.

(3) The test report shall not be reproduced except in full without the written approval of the laboratory.

(4) Disclaimer Measurement Uncertainty:

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 or CNAS-GL015:2022.

(5) The testing report without CMA stamp is not legally binding and could only be used as internal reference material for the applicant. It shall not be provided as a notarial certification.

Laboratory:
TUV SUD Certification and Testing
(China) Co., Ltd. Xiamen Branch
Testing Location: Xiamen
Form No.: TC_XMN_F_24.04 E
Rev:03
Effective Date:2024-10-23

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TUV SUD Certification and Testing (China) Co., Ltd.
Xiamen Branch
Unit 401 No.93 Huli Industrial Park, Meixi Road, Tong'an
District, Xiamen 361100 P. R. China



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1. Test Sample Photo(s)



Sample A



Sample B

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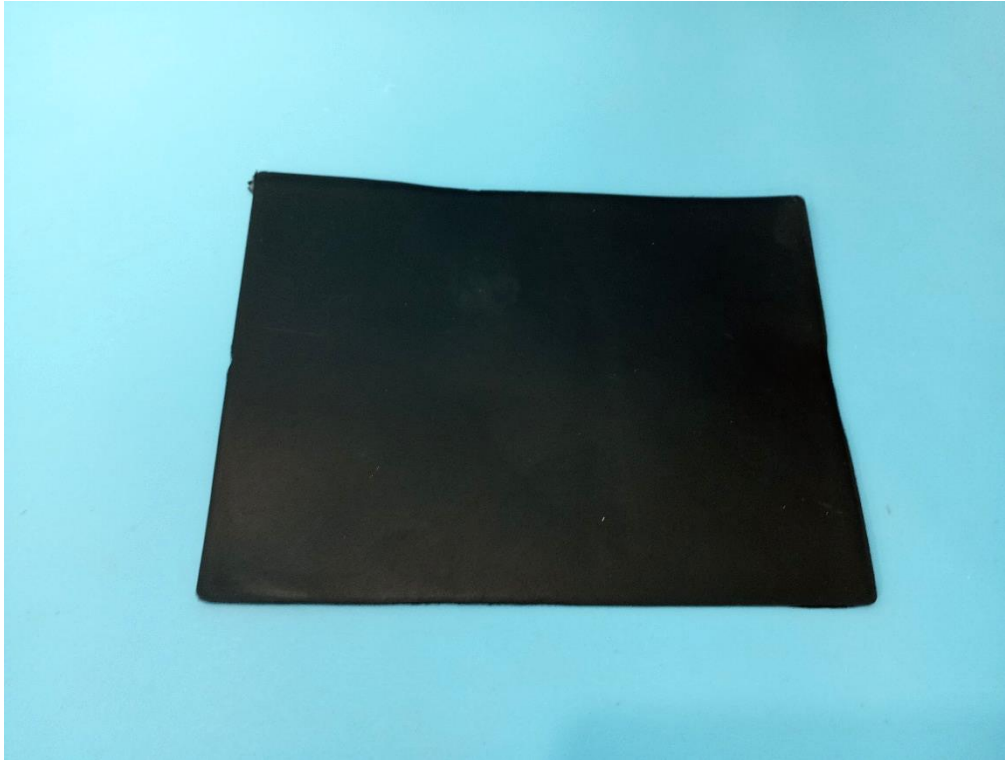
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Sample C

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2. Conclusion

No.	Test Parameter(s)	Conclusion
1.	Splashing Resistance	Pass
2.	Degradation Resistance	Pass

Note: Pass= Meet Requirement
#= No Comment
N/A = Not Applicable

Fail= Below Requirement
- = Did Not Perform

Remark: (1) Samples are tested as received

TÜV SÜD Certification and Testing (China) Co., Ltd. Xiamen Branch

Reviewed by:

Stacey Yang
Softlines Department



Approved by:

Damon Zheng
Softlines Department

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3. Test Results

3.1 Splashing Resistance (EN 13832-2:2018, 6.2.1.2, EN 13832-1:2018, 4.2)

Precondition: (23 ± 2) °C x (50 ± 5) %RH x 24 hours

Temperature: (20 – 25) °C

Chemicals select:

Code letter	Chemical	CAS number	Class (informative)
K	Sodium hydroxide 40 %	1310-73-2	Inorganic base

Chemicals code letter: K

Sample	Size	Assessment after 10 min	Assessment after 60 min	EN 13832-2:2018 Requirement	Conclusion
A	44	Left	Comply	*	Pass
		Right	Comply	*	Pass

Remark:

* = No penetration inside the footwear of chemical shall be detected.

No spilt liquid shall be trapped.

After testing, the footwear shall show no signs of degradation as follows:

- Beginning of a pronounced and deep cracking affecting half the upper material thickness;
- The upper shows areas with deformations, chemicals burns, fusion or bubbles, or split seams;
- Upper/outsole separation of more than 10 mm long and 5 mm wide and/or deep;
- The outsole shows cracks more than 10 mm long and 3 mm wide and/or deep.

3.2 Degradation Resistance (EN 13832-2:2018, 6.2.1.3; EN 13832-1:2018 4.3)

Precondition: (23 ± 2) °C x (50 ± 5) %RH x 24 Hours

Test condition: (20 – 25) °C x 8 Hours

Chemicals select:

Code letter	Chemical	CAS number	Class (informative)
K	Sodium hydroxide 40 %	1310-73-2	Inorganic base

Chemicals code letter: K

Sample	Component	After degradation		Test Item	Results			Requirement	Conclusion
		Mass variation (mg)	Assessment		Before	After	Variation (Class II)		
B	Upper	+3162	No significant change	Tear resistance (N)	254.2	199.0	-21.7%	*	Pass
				Elongation at break	-	-	-	*	-
C	Outsole	-1	No significant change	Density	1.17	1.17	0.0	-	-
				Tear resistance (kN/m)	12.1	13.1	+8.7%	*	Pass
				Hardness (Shore A)	62	60	-2	*	Pass

Remark: * =

Upper		Outsole	
Tear resistance	Elongation at break	Tear resistance	Hardness
<ul style="list-style-type: none">For class I textile, greater or equal to 48 NFor class I leather, greater or equal to 96 NFor class II Minimum 80 % of value before degradation	<ul style="list-style-type: none">For class II with a removable lining, Minimum 80 % of value before degradationNot applicable for:<ol style="list-style-type: none">class Iclass II with a non-removable lining.	<ul style="list-style-type: none">Greater or equal to 6,4 kN/m for material with density greater than 0,9 g/cm³Greater or equal to 4,0 kN/m for material with density smaller or equal to 0,9 g/cm³	<ul style="list-style-type: none">Minimum: 30 shore AMaximum: (value before degradation ± 10 shore A)

-- END OF THE TEST REPORT --

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