

TEST REPORT

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Report No.: D240718362_2

31 July 2024

dzb_cd@xchsafety.com

APPLICANT: NEWWAY TECHNOLOGY (SUZHOU) CO., LIMITED
有维科技(苏州)有限公司 (C52167)
NO. 20 DAGANG ROAD, FUQIAO TOWN
. TAICANG JIANGSU
CHINA

Date of receipt : 11 July 2024
Testing period : 11 July 2024
: 19 July 2024

Buyer: —

Sample description: SB

Style / Article no. : SSH08SB, TSP209SB

Test(s) requested : PHYSICAL TEST

Service : REGULAR

Brand / Section : INGCO, TOTAL

Season : —

End use : —

Factory name : —

Factory code : —

Revision : Update component list

For CE Marking : Yes

Previous report : —

Product category : SAFETY SHOE

Product type : —

Test stage : FIRST TEST

Supplier name : —

Exported to : —

1. Conclusion:

ISO 20345: 2021		Conformity by size		
Paragraph#	Tests description	35	42	48
5.3.2.6	Determination of impact resistance	Pass	Pass	Pass
5.3.2.7	Determination of compression resistance	Pass	Pass	Pass
5.3.4	Specific ergonomic features	--	Pass	--
5.3.5.2	Slip resistance on ceramic tile floor with sodium lauryl sulphate (NaLS)	Pass	Pass	Pass
5.8.5	Flexing resistance of outsole	Pass	Pass	Pass
6.2.10	Slip resistance on ceramic tile floor with glycerine	Pass	Pass	Pass

Pass: requirements met Fail: requirements not met N/A: not applicable --: test not performed on this size

Approved by

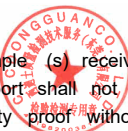


Leo TOM KIT FAI
General Manager

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To conclude the conformity to the requirement, the uncertainty of measurement associated to the test results has not been taken into account.



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2. Sample(s) description assigned by laboratory:

- 1 UPPER/COLLAR - BLACK 1.6-1.8MM COW SPLIT LEATHER [259]
- 2 UPPER/COLLAR - BLACK ELASTIC [FL137]
- 3 VAMP LINING - WHITE NON-WOVEN FABRIC [LB211]
- 4 QUARTER/HEEL AREA LINING - GREEN MESH [LB109]
- 5 INSOCK - BLACK TERRY+EVA WITH MICRO-PERFORATED [STYLE1]
- 6 INSOLE - WHITE NON-WOVEN FABRIC [FL104]
- 7 TOECAP - BEIGE STEEL TOECAP [604#]
- 8 OUTSOLE - BLACK PU/PU DUAL DENSITY OUTSOLE [9500]
- 9 HEEL PULL LOOP - GREEN/WHITE WEBBING [ZD259]



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Safety shoes / Whole footwear : Black	Method	Requirement Size			Unit	Result Size			Conformity
		35	42	48		35	42	48	
(+) 5.3.2.6. Determination of impact resistance Clearance - Left foot Clearance - Right foot Development of cracks or delamination	ISO 20344:2021	≥12.5	≥14.0	≥15.0	mm	14.0	14.5	16.0	P P P
		≥12.5	≥14.0	≥15.0	mm	14.0	16.0	17.0	
						Conform	Conform	Conform	
(+) 5.3.2.7. Determination of compression resistance Clearance - Left foot Clearance - Right foot Development of cracks or delamination	ISO 20344:2021	≥12.5	≥14.0	≥15.0	mm	16.0	18.0	19.0	P P P
		≥12.5	≥14.0	≥15.0	mm	16.0	17.5	19.0	
						Conform	Conform	Conform	
(+) 5.3.4. Specific ergonomic features Is the inside surface of the footwear free from rough, sharp or hard areas that caused you irritation or injury? Is the footwear free of features that you consider to make wearing the footwear hazardous? Can the fastening be adequately adjusted? (if necessary) Can we walk without problems? Can we climb stairs without problems? Can we kneel or crouch down without problems ?	ISO 20344:2021					--	Yes	--	-- P --
						--	Yes	--	
						--	NA	--	
						--	Yes	--	
						--	Yes	--	
						--	Yes	--	
(+) 5.3.5.2. Slip resistance on ceramic tile floor with sodium lauryl sulphate (NaLS) A- Mounting method used A- Coefficient of friction forward heel – Left Foot A- Coefficient of friction forward heel – Right Foot B- Mounting method used B- Coefficient of friction backward forepart – Left Foot	ISO 20344:2021					Standard shoemaking last (M3601) 0.31	Standard shoemaking last (M3601) 0.31	Standard shoemaking last (M3601) 0.33	P P P
		≥ 0.31				0.31	0.31	0.33	
		≥ 0.31				0.31	0.31	0.33	
						Standard shoemaking last (M3601) 0.39	Standard shoemaking last (M3601) 0.37	Standard shoemaking last (M3601) 0.38	
		≥ 0.36				0.39	0.37	0.38	

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B- Coefficient of friction backward forepart – Right Foot		≥ 0.36		0.36	0.36	0.40	
(+) 6.2.10. Slip resistance on ceramic tile floor with glycerine C- Mounting method used	ISO 20344:2021			Standard shoemaking last (M3601)	Standard shoemaking last (M3601)	Standard shoemaking last (M3601)	P P P
C- Coefficient of friction forward heel – Left Foot		≥ 0.19		0.20	0.20	0.21	
C- Coefficient of friction forward heel – Right Foot		≥ 0.19		0.19	0.20	0.22	
D- Mounting method used				Standard shoemaking last (M3601)	Standard shoemaking last (M3601)	Standard shoemaking last (M3601)	
D- Coefficient of friction backward forepart – Left Foot		≥ 0.22		0.27	0.25	0.27	
D- Coefficient of friction backward forepart – Right Foot		≥ 0.22		0.24	0.22	0.25	

Safety shoes / Outsole : Black	Method	Requirement			Unit	Result			Conformity
		35	42	48		35	42	48	
(+) 5.8.5. Flexing resistance of outsole Rigidity - Angle under 30N	ISO 20344:2021				°	67	59	61	P P P
Cut growth after 30000 flex cycles		≤ 4			mm	0.4	0.5	0.2	
Deep of spontaneous crack		≤ 1.5			mm	0.0	0.0	0.0	
Length of spontaneous crack		≤ 4			mm	0.0	0.0	0.0	
Number of spontaneous crack		≤ 5				0	0	0	
Damage of the metallic insert (if present)						Not present	Not present	Not present	

END OF TEST REPORT

(+)CNAS accreditation

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