



SIRIM QAS International Sdn. Bhd. (410334-X)
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MS ISO/IEC 17025
TESTING
SAMM NO. 085

TEST REPORT

REPORT NO : 2019MA1697	PAGE : 1 OF 4
<p>This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Managing Director, SIRIM QAS International Sdn. Bhd. Please refer the last page for Conditions Relating to the Use of Test Report.</p>	

THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant : Mechanical & Automotive Sector
 Industrial & Consumer Certification Section 1
 SIRIM QAS INTERNATIONAL SDN. BHD.
 Ref. No.: P5-007870
 Attn: Aidil Fahmi Bin Bakri

For:
 CHEN WING SHOES STORE
 No.10-2, Section 92A,
 Jalan 1/89B, Off 3 1/2 Miles,
 Jalan Sungai Besi, 57100 Kuala Lumpur,
 Wilayah Persekutuan, MALAYSIA.

Manufacturer : Same as above.

Product : Safety Footwear.

Reference Standard / Method of Test : MS ISO 20345:2008 Personal Protective Equipment – Safety Footwear
 Clause 5.3.1.2, Clause 5.3.2.3, Clause 5.3.2.4, Clause 5.8.1,
 Clause 5.8.2, Clause 5.8.3, Clause 5.8.4, Clause 5.8.7, Clause 6.2.1

Description of sample / Description of Test Specimen : Refer Page 2

Date Received of Complete Application : 01 November 2019

Job No. : J20191391519

Description of Test Results / Overall Test Result : This test report covers only test clauses as requested by Applicant to SIRIM QAS International Sdn. Bhd. The test results for the submitted test samples as described in this test report complied with the requirements of the above reference standard at the respective clauses tested.

Issued Date : 28 November 2019

Approved Signatories;

(MUHAMMAD TASHRIFF SHAH BIN HELMY SYAMZA)
 Testing Executive



(MOHD FAIZAR BIN MUSTAFA)
 Head
 Mechanical & Automotive Section
 Testing Services Department

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1 Description of Sample/ Description of Test Specimen

Brand: **FOSSER**

Model: **2301**

Quantity of Sample: 9 pairs of safety footwear and 6 pairs outsole

Date of Test: **14 November 2019 – 25 November 2019**

Note:

- a) NA – Not applicable.
- b) * Tearing of the sole.
- c) ** Not SAMM Accredited.
Test marked “Not SAMM Accredited” in the report are not included in the SAMM Accreditation Schedule of our laboratory.
- c) *** Sub-Contracted Test(s).
Test marked “Sub-Contracted and Accredited”/Test marked “Sub-Contracted but not Accredited”.
- d) **** Opinion, Interpretations etc.
Opinion and interpretations expressed herein are outside the scope of SAMM accreditation.



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TEST RESULTS

REQUIREMENT		OBSERVATION/RESULTS		
5.3 WHOLE FOOTWEAR				
5.3.1.2 Upper/outsole bond strength Shall be not less than 4.0 N/mm, unless there is tearing of the sole, in which case the bond strength shall be not less than 3.0 N/mm	Size 5	5.38 N/mm		Pass Pass Pass
	Size 8	5.57 N/mm		
	Size 10	6.60 N/mm		
5.3.2.3 Impact resistance of safety footwear Size 5 : 13.0 mm (min. clearance) Size 8 : 14.0 mm (min. clearance) Size 10: 14.5 mm (min. clearance) The toecap shall not develop any cracks.		Left	Right	Pass Pass Pass
	Size 5	17.20 mm	16.50 mm	
	Size 8	19.10 mm	21.20 mm	
	Size 10	20.10 mm	21.50 mm	
		± 0.01 mm		
5.3.2.4 Compression resistance of safety footwear Size 5 : 13.0 mm (min. clearance) Size 8 : 14.0 mm (min. clearance) Size 10: 14.5 mm (min. clearance)		Left	Right	Pass Pass Pass
	Size 5	18.50 mm	18.90 mm	
	Size 8	22.40 mm	22.80 mm	
	Size 10	21.10 mm	22.50 mm	
		± 0.01 mm		
5.8 OUTSOLE				
5.8.1 Thickness of non-cleated outsoles Minimum 6.0 mm	Size 5	7.52 mm		Pass Pass Pass
	Size 8	8.46 mm		
	Size 10	8.00 mm		
5.8.2 Tear strength Minimum 8 kN/m for a material with a density higher than 0.9 g/cm ³	Average density: 1.118 g/cm ³			Pass Pass Pass
	Sample 1	10.75 kN/m		
	Sample 2	15.75 kN/m		
	Sample 3	10.75 kN/m		
5.8.3 Abrasion resistance Relative volume loss: Maximum 150 mm ³ for material with a density higher than 0.9 g/cm ³	Average density: 1.11 g/cm ³			Pass Pass Pass
	Size 5	76 mm ³		
	Size 8	71 mm ³		
	Size 10	76 mm ³		
5.8.4 Flexing resistance Cut growth before 30 000 flex cycles: Maximum 4.0 mm	Size 5	< 4.0 mm		Pass Pass Pass
	Size 8	< 4.0 mm		
	Size 10	< 4.0 mm		
5.8.5 Hydrolysis Cut growth before 150 000 flex cycles: Maximum 6.0 mm	Not applicable			
5.8.6 Interlayer bond strength Shall be not less than 4.0 N/mm, unless there is tearing of the sole, in which case the bond strength shall be not less than 3.0 N/mm	Not applicable			
5.8.7 Resistance to fuel oil Increase in volume: Maximum 12.00 %	Size 5	5.76 %		Pass Pass Pass
	Size 8	4.27 %		
	Size 10	7.14 %		



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ADDITIONAL REQUIREMENT

6.2 WHOLE FOOTWEAR		Sample	Left	Right	Result
6.2.1 Penetration resistance Minimum force 1100 N		Size 5	1405 N	1410 N	Pass
		Size 8	1279 N	1277 N	Pass
		Size 10	1353 N	1363 N	Pass

PHOTO OF SAMPLE



Figure 1: Photo of Model 2301



CONDITIONS RELATING TO THE USE OF SIRIM QAS INTERNATIONAL TEST REPORT

1. A Test Report will be issued in respect of Testing Services conducted and shall relate only to the Sample actually tested. SIRIM QAS International makes no warranty whatsoever and the Applicant shall not represent in any manner that any duplication or mass production of the Product is same as the Sample actually tested or that SIRIM QAS International has tested any of the duplicated or mass produced Product.
2. The Test Report shall not be amended, changed, varied or modified in any manner whatsoever by the Applicant or otherwise.
3. If the Test Report is to be furnished to any third party or to the public, each such Test Report shall be furnished in full, legible and in its entirety.
4. The Test Report shall not be reproduced and shall not in any event be used for any advertising purposes or whatsoever without written approval from the Managing Director of SIRIM QAS International of No 1, Persiaran Dato' Menteri, Building 8, Section 2, P.O. Box 7035, 40700 Shah Alam, Selangor Darul Ehsan.
5. Customer (Applicant/Manufacture/Factory, etc.) is not permitted to use any SIRIM QAS International, SIRIM or other SIRIM's subsidiaries logo or words on packaging, sample's manual, technical specification, brochures/flyers or any other means without the prior written approval from the Managing Director of SIRIM QAS International.
6. If such approval is obtained from the Managing Director of SIRIM QAS International, the Applicant may only include the phrase, "A sample of this product has been tested by SIRIM QAS International ... (Test Report No) ... (dated) (for what test) ... (to which standard)" or such similar words which stress that only the Sample was actually tested. This phrase shall only be used for the purpose of product advertisement or product promotion (eg; brochures). For avoidance of doubt, the statement shall not be used on the sample and packaging of the sample.
7. In the event there is an investigation from a Government Regulatory Agency concerning the Applicant's Test Report, SIRIM QAS International may disclose the information pertaining to the Test Report for purposes of such investigation.
8. Further or in the alternative, it is strictly forbidden unless with prior written approval from the Managing Director of SIRIM QAS International, to represent in any manner whatsoever that SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries has endorsed, approved or validated the Product of the Applicant in any manner whatsoever.
9. In the event the Applicant is found in breach of this provision, SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries without prejudice to any other rights and remedies may take whatever action necessary including but not limited to:
 - a) Informing and placing a notice in the media;
 - b) Obtaining an injunction from Court (cost on a solicitor-client basis to be borne by the Applicant);
 - c) Refusing to accept any further Product for Testing Services from the Applicant or whosoever related to the Applicant, whether subsidiary or otherwise;
 - d) Instructing the Applicant to withdraw and recall the advertisement, statement or document in question and advertise a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries twice in a national publication of SIRIM QAS International's choice at the Applicant's sole cost; and
 - e) Informing or lodging a report pertaining the Applicant's Test Report with the relevant authorities.
10. Certified true copies of the Test Report may be issued upon request by the Applicant upon payment of the relevant fee.
11. Corrections to test report shall only be allowed within 6 months from issuance date of the test report and shall be limited to maximum 3 times, after either case whichever occurs earlier, a new test report shall be issued and replace the previous one (having error(s) or lack of information). Issuance of Supplementary Report to the original Test Report shall be for the followings;
 - a) Misprints and typo errors
 - b) Missing technical information
 - c) Test data not reported
 - d) Mistake in reporting of test data