



SIRIM QAS International Sdn. Bhd.
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TEST REPORT

REPORT NO : 2025MT0410

PAGE : 1 OF 5

Unless otherwise stated, the results shown in this Test Report shall be valid exclusively for the specific sample either provided by the Applicant or sampled by the qualified officer and tested by SIRIM QAS International Sdn. Bhd. In deriving the results of this Test Report, SIRIM QAS International Sdn. Bhd. has relied solely on the sample and data information provided by the Applicant, in accordance with the applicable standards requested by the Applicant in the Application Form. This Test Report shall not be reproduced, except in full, without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International Sdn. Bhd. Kindly refer to the last page of this Test Report for the 'Conditions Relating to the Use of SIRIM QAS International Test Report'.

Applicant :MALAYAN METAL MATERIAL SDN BHD
No.8, Jalan Budi Selatan,
Taman Perindustrian Wawasan
83000 Batu Pahat, Johor
(Attn: Woo Chong Yit)

Manufacturer :MALAYAN METAL MATERIAL SDN. BHD.

Product :Metal Plate

Reference Standard / :ASTM B 117-19: Standard Practice for Operating Salt Spray (Fog)
Method of Test Apparatus.
- Natural Salt Spray Test for 1000 hours.

Description of sample/ Description of Test Specimen :One (1) sample of Metal Plate was received for testing.
TradeMark / Brand: Galvanised iron
Dimensions: L 100mm x W 100mm
Product Description: Metal

Disclaimer: All the information stated above has been provided/agreed by the Applicant. SIRIM QAS International Sdn. Bhd. shall not be held responsible for the accuracy, completeness, or validity of the information provided by the Applicant which may affect the validity of the test results. The accuracy and reliability of the test results are contingent upon the integrity and accuracy of the information provided by the Applicant.

Date Received of Complete Application :07 January 2025

Job No. : J20253080104

Description of Test Results/ Overall Test Result :The test results for the submitted test samples are described in Page 2 to 4 of this test report.

Issued Date :04 March 2025

Approved Signatory;

(MOHD SHAMSUL ZAMRI BIN MOHD NOR)
Senior Testing Engineer



(AZAM BIN MOHAMAD @ SUBARI)
Head
Materials Integrity Section
Testing Services Department

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TEST RESULTS : SALT SPRAY TEST (1000 HOURS)

SAMPLE REF. : Metal Plate

Test Condition:

Duration of Test : 1000 hours
 Operating Temperature : 35 ± 2 °C
 Operating pressure : 20 ± 2 psi (1.4 ± 0.1 kgf/cm²)
 Salt Solution : 50 gm of Sodium Chloride (NaCl) dissolved in 950 gm of distilled water.
 pH of Salt Solution : 6.5 – 7.2
 Cleaning of Sample : **Before Test**
 The sample was cleaned with clean dry cloth.
 : **After Test**
 The sample was rinsed with clean tap water to remove salt deposits.
 The sample was cleaned with dry cloths.
 Date of Test : 20th January 2025 to 02nd March 2025.
 Location of Test : Building 20, Materials Integrity Section, SIRIM QAS, Shah Alam

TEST RESULTS

SAMPLE REFERENCE	RESULTS / OBSERVATIONS
NATURAL SALT SPRAY TEST FOR 1000 HOURS	
Metal plate	<ul style="list-style-type: none"> The sample shows no sign of red rust nor white rust spot. White salt deposits were observed by naked eye. (Refer to Photo 1.2)



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Photos of Samples:

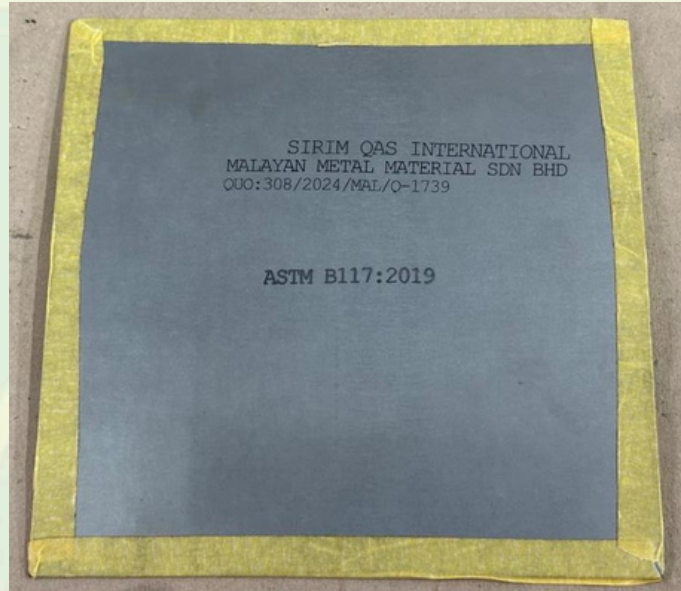


Photo 1.0: The as-received sample of Metal plate (Front view).

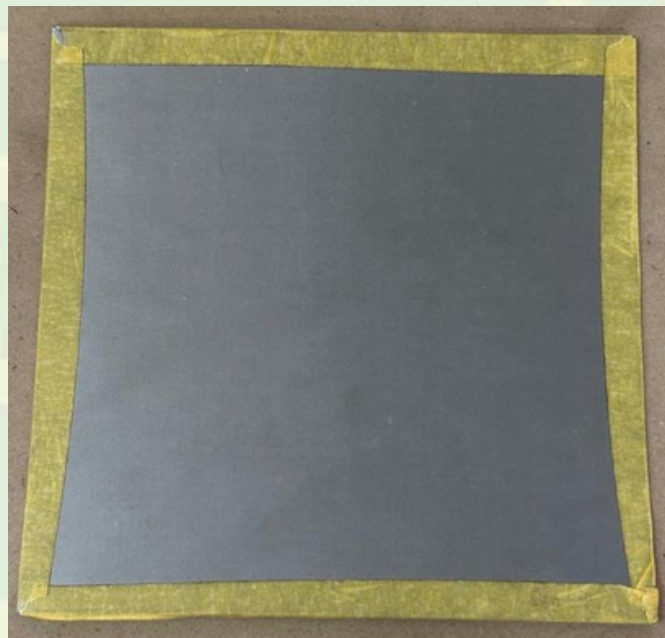
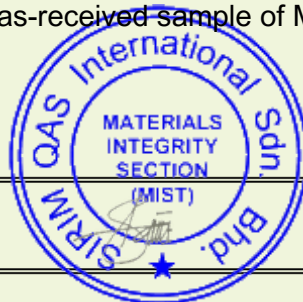


Photo 1.1: The as-received sample of Metal plate (Back view).



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Photo 1.2: Metal plate after NSS 1000hrs (Front view).

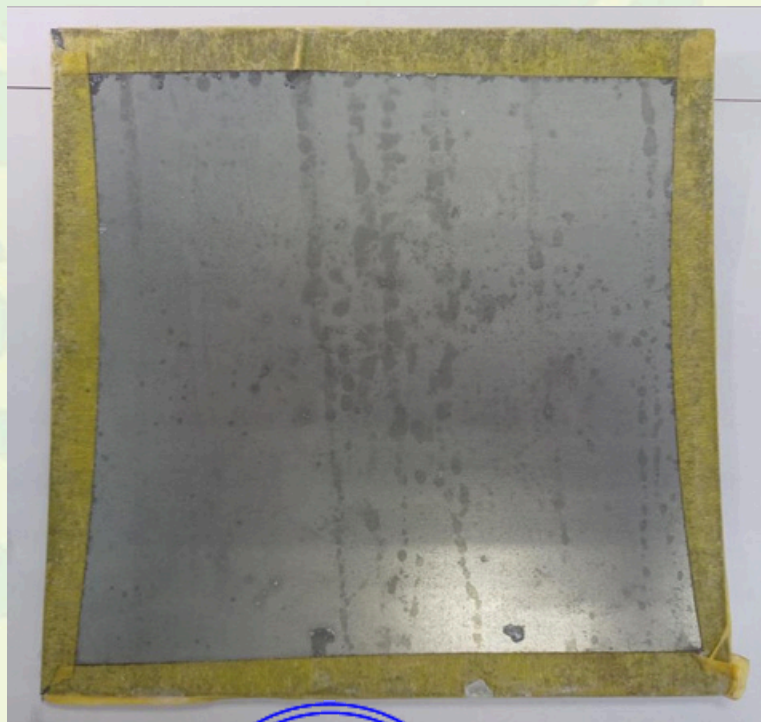
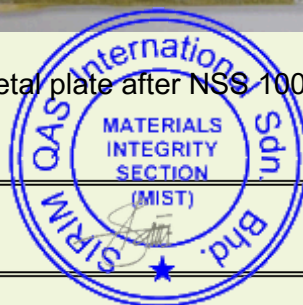


Photo 1.3: Metal plate after NSS 1000 hours (Back view).



		
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CONDITIONS RELATING TO THE USE OF SIRIM QAS INTERNATIONAL TEST REPORT

1. A Test Report will be issued in respect of the Testing Services conducted and shall relate only to the sample actually tested by SIRIM QAS International. The results in the Test Report will be based on all the information provided by the Applicant, unless otherwise stated. SIRIM QAS International makes no warranties whatsoever, and the Applicant shall not represent in any manner that any duplication or mass production of the Product is identical to the Sample actually tested, or that SIRIM QAS International has tested any duplicated or mass-produced Product. Measurement uncertainty shall be included in the Test Report when no statement of conformity is required.
2. For quantitative test results (with values), when a statement of conformity to a specification or standard is applied, the Simple Acceptance Rule shall be used. Unless otherwise stated, the Acceptance Rule with Guard Band will be applied, and an additional charge will be incurred accordingly.
3. For qualitative test results (visual observation), when requested by the applicant, a statement of conformity shall be included in the Test Report. If there is no request by the Applicant, a statement of conformity can be included in the Test Report based on SIRIM QAS International Sdn. Bhd.'s discretion.
4. The Applicant shall not at any time misrepresent the content of any Test Report provided by SIRIM QAS International Sdn. Bhd., nor shall the Test Report be misused, amended, changed, varied, or modified in any manner whatsoever by the Applicant or otherwise.
5. The Test Report shall not be reproduced, except in full, without the written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International of No. 1, Block 8, Persiaran Dato' Menteri, Section 2, P.O. Box 7035, 40700 Shah Alam, Selangor Darul Ehsan.
6. The Applicant is not permitted to use any SIRIM QAS International Sdn. Bhd., SIRIM Berhad or other SIRIM subsidiaries logos or words on packaging, sample manuals, technical specifications, items and products.
7. Subject to consent and written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International Sdn. Bhd., the Applicant may use the SIRIM QAS International Sdn. Bhd. logo or word on promotional materials. The Applicant shall only include the phrase, "A sample of this product has been tested by SIRIM QAS International Sdn. Bhd. (Test Report No) ... (dated) ... (for what test) ... (to which standard)", or similar words emphasizing that only the sample was tested. This phrase shall only be used for product advertisements or promotions (e.g.: brochures, flyers, official website). For clarity, the statement shall not be used on the sample, packaging, items or products.
8. In the event there is an investigation from a Government Regulatory Agency concerning the Applicant's Test Report, SIRIM QAS International Sdn. Bhd. may disclose the information pertaining to the Test Report for the purposes of such investigation.
9. In the event that the Applicant is found in breach of this provision, SIRIM QAS International Sdn. Bhd., SIRIM Berhad and/or other SIRIM subsidiaries may, without prejudice to any other rights and remedies, take whatever actions are necessary including but not limited to:
 - a) Informing and placing a notice in the media;
 - b) Obtaining an injunction from the Court (costs on a solicitor-client basis to be borne by the Applicant);
 - c) Refusing to accept any further Products 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 to publish a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM 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 to the Applicant's Test Report with the relevant authorities.
10. SIRIM QAS International is committed to supporting environmentally friendly business practices by reducing paper consumption. Therefore, we do not issue any hard copies of the Test Report to the Applicant. However, additional certified true copies or softcopies of the Test Report may be issued upon request by the Applicant, subject to payment of the relevant fee. Certified true copies or softcopies of the Test Report shall only be provided for Test Reports issued not more than **three (3) years** from the date of issuance.
11. The Issuance of an Amendment Report due to the following reasons is chargeable to the Applicant:
 - a) Typo or change¹ in details of the Applicant's name and/or address; or
 - b) Typo or change¹ in details of the Manufacturer's name and/or address; or
 - c) Typo or change¹ in details of the Factory location name and/or address; or
 - d) Typo or change¹ in details of the brand, size, model and/or type designation; or
 - e) Typo in details of the description of sample.Note: ¹Applicable only for electrical and electronic products based on IECCE OD-2020.
12. Any corrections and/or changes to the Report requested by the Applicant shall only be allowed if the date of issuance of the original Test Report has not exceeded six (6) months and shall be limited to a maximum of three (3) times. After either of these conditions is met, no further amendments to the Test Report shall be issued.
13. However, the issuance of a Supplementary Report due to the following reasons is free of charge (FOC):
 - a) Misprints and typographical errors;
 - b) Missing technical information as agreed in the PP1 form;
 - c) Test data not reported; or
 - d) Mistakes in the reporting of test data.