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TEST REPORT

REPORT NO : 2023MT1477	PAGE : 1 OF 3

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Applicant	: OCEAN STEEL TRADING SDN BHD 174, BATU 6 1/2, JALAN BESAR 83030 TONGKANG PECHAH, BATU PAHAT
Manufacturer	: OCEAN STEEL TRADING SDN BHD 174, BATU 6 1/2, JALAN BESAR 83030 TONGKANG PECHAH, BATU PAHAT,JOHOR
Product	: STEEL WIRE WITH ZINC & PVC COATING
Reference Standard / Method of Test	: 1) BS EN ISO 6892–1:2009– Metallic Materials – Tensile Testing Part 1 : Method Of Test At Room Temperature. 2) BS EN 10244–1:2009– Steel Wire And Wire Products – Non-Ferrous Metallic Coatings On Steel Wire. Part 1: General Principles. - Details of standards: Refer Page 2.
Description of sample / Description of Test Specimen	: Three (3) samples of Steel Wire With Zinc And PVC Coating were received for testing Size (mm) : S1) Ø 2.20 S2) Ø 2.70 S3) Ø 27(PVC)
Date Received of Complete Application	: 14 September 2023
Job No.	: J20231409308
Description of Test Results / Overall Test Result	: The test results for the submitted test samples are described in Page 3 of this test report.
Issued Date	:14 November 2023

Approved Signatories;

(MOHAMAD RAZIQI BIN SHA'DUN) Testing Executive	(DALHA BIN KATNI @ RAHMAT) Head Materials Integrity Section Testing Services Department

SIRIM QAS International Sdn. Bhd. MATERIALS INTEGRITY SECTION (MIST)

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DESCRIPTION OF STANDARD

1) BS EN ISO 6892 – 1 : 2009 – METALLIC MATERIALS – TENSILE TESTING PART 1 : METHOD OF TEST AT ROOM TEMPERATURE

CLAUSE	SCOPE	REMARK
Annex C	Types Of Test Pieces (Tensile Test)	Applicable

2) BS EN 10224 – 1 : 2009 – STEEL WIRE AND WIRE PRODUCTS – NON-FERROUS METALLIC COATINGS ON STEEL WIRE. PART 1: GENERAL PRINCIPLES

CLAUSE	SCOPE	REMARKS
Clause 4.2	Coating mass	Applicable
Clause 4.5	Adherence of coating	Applicable

SIRIM QAS International Sdn. Bhd.
MATERIALS INTEGRITY SECTION (MIST)

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SAMPLE REFERENCE : STEEL WIRE WITH ZINC AND PVC COATING
STANDARD REFERENCE : BS EN ISO 6892 – 1 : 2009

CLAUSE	RESULTS		
	S1-Ø 2.20 mm	**S2-Ø 2.70 mm**	**S3-Ø 2.70 (PVC)**
TENSILE STRENGTH OF SINGLE STEEL WIRE			
Yield Strength (N/mm^2)	237	263	217
Tensile Strength (N/mm^2)	298	340	320
Elongation (%)	21.0	18.0	9.5

SAMPLE REFERENCE : STEEL WIRE WITH ZINC AND PVC COATING
STANDARD REFERENCE : BS EN 10224 – 1 : 2009

CLAUSE	RESULTS		
	S1-Ø 2.20 mm	**S2-Ø 2.70 mm**	**S3-Ø 2.70 (PVC)**
4.2 COATING MASS			
Zinc Coating Mass (g/m^2)	238	338	296
4.5 ADHERENCE OF COATING (WRAPPING TEST)			
Requirement: No crack, split or coating flaking and removal.	No crack, split or coating flaking and removal during testing was observed. Satisfactory.	No crack, split or coating flaking and removal during testing was observed. Satisfactory.	No crack, split or coating flaking and removal during testing was observed. Satisfactory.

SIRIM QAS International Sdn. Bhd.
MATERIALS INTEGRITY SECTION (MIST)

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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.

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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.

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    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