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TEST REPORT

REPORT NO. : 2007KL0772

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Applicant/Manufacturer : PTM STEEL INDUSTRY SDN. BHD
Lot 3707, Jalan 7/5, Taman Industri Selesa Jaya,
43300, Balakong, Selangor Darul Ehsan, Malaysia

Product : Stainless Steel Tubes

Reference standard/ Method of test :
1) ASTM B117 - 03: Standard Practice for Operating Salt Spray (Fog) Apparatus
2) ASTM D610 - 01: Standard Test Method for Evaluating Degree of Rusting on Painted Steel Surfaces.

Description of sample : Received six (6) pieces of Stainless Steel Tubes for testing which were described as:
Brand : PTM Steel Industry
Marking : 1) Stainless Steel Tubes SS 304 (3 pieces) – 1.2mm
2) Stainless Steel Tubes SS 439 (3 pieces) – 1.5mm

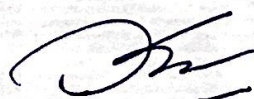
Date received : 02nd July 2007

Job No. : J20075080684

Issue date : 23rd July 2007

Approved Signatory


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(ABDUL AZIZ HARON)
Senior Technical Executive


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(KUZIAH AHMAD)
Group Leader,
Chemical & Consumer Section (CEST – Testing Group),
Product Certification and Testing Department.

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Test Results

Product : Stainless Steel Tubes
Brand : PTM Steel Industry
Marking : 1) Stainless Steel Tubes SS 304 (3 pieces) – 1.2mm

Test Method : ASTM B117-03: Standard Practice for Operating Salt Spray (Fog) Apparatus

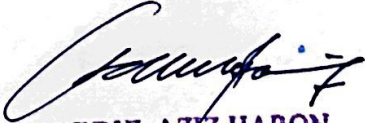
Test condition:

Duration of exposure : 30 hours
Temperature exposure zone : 35°C
Salt solution used : 5% of NaCl
pH of collected solution : 6.8
Volume of salt collected in ml/h/80 cm² : 1.8 ml/hr

No.	Type of test	Results
1.	Salt Spray Resistance Test	
1.1	Evaluating degree of rusting on painted steel surface based on ASTM D 610 – 01*	The evaluation of red rust was at Rust Grade 10 (Less than or equal to 0.01% surface rusted).

Note: * The degree of rusting grades based on ASTM D610 - 01 is depicted in the Appendix.




ABDUL AZIZ HARON
Senior Technical Executive
Chemical & Consumer Section
SIRIM QAS International Sdn. Bhd.

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Test Results

Product : Stainless Steel Tubes
Brand : PTM Steel Industry
Marking : 2) Stainless Steel Tubes SS 439 (3 pieces) – 1.5mm

Test Method : ASTM B117-03: Standard Practice for Operating Salt Spray (Fog) Apparatus

Test condition:

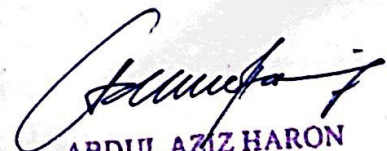
Duration of exposure : 30 hours
Temperature exposure zone : 35°C
Salt solution used : 5% of NaCl
pH of collected solution : 6.8
Volume of salt collected in ml/h/80 cm² : 1.8 ml/hr

No.	Type of test	Results
1.	Salt Spray Resistance Test	
1.1	Evaluating degree of rusting on painted steel surface based on ASTM D 610 – 01*	The evaluation of red rust was at Rust Grade 10 (Less than or equal to 0.01% surface rusted).

Note: * The degree of rusting grades based on ASTM D610 - 01 is depicted in the Appendix.



After 30hrs exposure


ABDUL AZIZ HARON
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