





TEST REPORT

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CLIENT REF.	PO# 2012-03-087		
DATE OF REPORT	3 April 2012		
CLIENT	Richport Technology Pte Ltd No. 107 Neythal Road Singapore 628595		
ATTENTION	Ms. Leah S. Reglos		
JOB DESCRIPTION	To conduct the Porosity test on Chrome Plated Steel.		
SAMPLE DESCRIPTION	One piece of Chrome Plated Steel identified as follows:- Chromium Plating Date: 29 March 2012		
DATE OF SAMPLE RECEIVED	30 March 2012		
METHOD OF TEST	MIL-QQ-C-320B PARA 4.5.4 (Supplied by client)		
TEST RESULTS	The details of the test results are found on the following page of this report.		
/pcc TESTED / REPORTED BY		APPROVING OFFICER	
 PEH CHUE CHEO (Ms.) PRINCIPAL TECHNICAL OFFICER		 YAP JIAN JIE ASSISTANT PRINCIPAL CHEMIST	





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1 Experimental

1.1 The steel specimen which was plated on, was thoroughly cleaned with acetone prior to the test. This is to ensure that no foreign matter had adhered to the surface of the test specimen, in particular the plated surface, which will interfere with the test.

1.2 Filter paper (whatman #541) was saturated with the test reagent, which was heated to 82° - 94° C, and applied to the surface of the plated surface for ten minutes.

1.3 The composition of the test reagent is prepared as follows for a one litre solution:-

Potassium Ferricyanide	1.0g
Sodium Chloride	10.0g
Agar	10.0g

2. Findings

The filter paper and test specimen was examined for dark blue spots, which will indicate corrosion of the base metal at pores and other defects. The results showed that there was no blue sport developed on both the paper and on the metal surface.

3. Conclusion

The test specimen had passed the porosity test.

/pcc

TESTED / REPORTED BY

PEH CHUE CHEO (Ms.)
PRINCIPAL TECHNICAL OFFICER

APPROVING OFFICER

YAP JIAN JIE
ASSISTANT PRINCIPAL CHEMIST

