

**TEST REPORT: 7191002501-CHM11/01-YVT**

Date: 17 MAR 2011

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Client's Ref: PO: 2011-03-018

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**SUBJECT**

Ionic Residue Test for Part Sample

**CLIENT**

Richport Technology Pte Ltd  
No. 107 Neythal Road  
Singapore 628959

Attn: Mr Leah Reglos

**SAMPLE SUBMISSION DATE**

11 Mar 2011

**DESCRIPTION OF SAMPLE**

10 pieces of Passivation Part Sample were received.

**DATE OF ANALYSIS**

14 Mar 2011 – 15 Mar 2011

**METHOD OF TEST**

The sample was analysed according to the method provided by the client. *Standard Operating Procedure – Precision Cleaning Procedure – Automatic Cleaning System, Document No. 999275, Revision H, 2004.*

The sample was extract with a mixture of DI water and Isopropyl Alcohol (3:1 in volume) by sonication at 30°C for 10 minutes, followed by measuring the conductivity of the solution. The ionic residue result was calculated as NaCl equivalents per unit area.



TÜV SÜD PSB

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**RESULTS**

**Table 1: Ionic Residue Content for Part Sample**

Sample	Ionic Residue ( $\mu\text{g NaCl/in}^2$ )*	Client's Specification According to Document No: 999275 ( $\mu\text{g NaCl/in}^2$ )
Passivation Part Sample	0.2 $\mu\text{g /in}^2$	<1

\* The result was calculated based on double sided surface area of 11.16in<sup>2</sup> per piece of sample.

*Yvonne*

MS YVONNE TAN  
TECHNICAL EXECUTIVE

*Zhang Yi*

DR ZHANG YI  
CHEMIST  
MICROCONTAMINATION DIAGNOSIS  
CHEMICAL & MATERIALS



*Amel*

29/03/11

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March 2010