

Report No. : KA/2009/22197 : 2009/03/04 Date Page : 1 of 6

The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description	: TRANSISTOR, DIODE, MOSFET, THYRISTOR, TVS
Style/Item No.	: TO-3/TO-66(ROHS PRODUCTS)
Sample Receiving Date	: 2009/02/26
Testing Period	: 2009/02/26 TO 2009/3/4

Test Result(s)

: - Please see the next page(s) -

1er

Katherine Ho / Supervisor Signed for and on behalf of SGS Taiwan Limited

tenness otherwise stated the results shown in this last report refler only to the sampliful heebid. This test moont cannot be instructived, excupi in full without prior written pearlisation of the Company 实现的有效的,这个交流的理解的激励去找高级资,实际的不能是的注意的分词,不可以可以发展。

an use, where processing the company is the Company is the statement of the contract of the second statement as improved, to depend on the contract of the con



Report No. : KA/2009/22197 Date : 2009/03/04 Page : 2 of 6

Test Result(s)

PART NAME NO.1	:	SILVER I	BODY
PART NAME NO.2	:	SILVER I	PIN

Test Item (s)	Unit	Method	MDL	Result	
				No.1	No.2
Cadmium (Cd)	mg/kg	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Cadmium by ICP-AES.	2	n.d.	
Cadmium (Cd)	mg/kg	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Cadmium by ICP-AES.	2		n.d.
Hexavalent Chromium Cr(VI) by alkaline extraction	mg/kg	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Hexavalent Chromium for non- metallic samples by UV/Vis Spectrometry.	2	n.d.	
Hexavalent Chromium Cr(VI) by Spot test / boiling water extraction	**	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Hexavalent Chromium for metallic samples by Spot test / boiling water extraction Method.	0.02mg/k g with 50 cm2 surface area		Negative
Lead (Pb)	mg/kg	CDV (111/95/CDV). Determination of Lead by ICP-AES.	2	n.d.	407 CM 400
Lead (Pb)	mg/kg	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Lead by ICP-AES.	2	carate co	15.3
Mercury (Hg)	mg/kg	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Mercury by ICP-AES.	2	n.d.	n.d.

Colless otherwise stated the reacts shown in this test report roler only to the sample(s) builted. This test report cavelot be reproduced, except in full, without prior written polarization of the Costoany,就见到到我的,各级网络期限教教法主批批代表,本部行主题本公司推拔教训,上回部的准备。



Report No. : KA/2009/22197 : 2009/03/04 Date : 3 of 6 Page

- Note : 1. mg/kg = ppm; 0.1wt% = 1000ppm
 - 2. n.d. = Not Detected
 - 3. MDL = Method Detection Limit
 - 4. Spot-test:

Negative = Absence of Cr(VI) coating / surface layer, Positive = Presence of Cr(VI) coating / (The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of Cr(VI) coating / surface layer,

Positive = Presence of Cr(VI) coating / surface layer the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg

with 50 $\rm cm^2$ sample surface area.

5. " - " = Not Regulated

6. " ---- " = Not Conducted

7. ** = Qualitative analysis (No Unit)

Unless otherwese stated the results shown in this fast report refer only to the sample(s) teated. This test report cannot be reproduced, except in full, without prior written permission of the Company. SplitStriver is graves 地名特别人名法法 to a 本语言 state of a constant of the Company. SplitStriver is graves 地名特别人名法法 the a weather a solution of the Company under its General Constitions of Service primeter overlast or an exception and socretaries and solutions. Any holder of this feet Report is advected in a solution of the Company under its defined that and socretaries or solutions and solves at the time of the test Report is advected in a solution of liability, indemnification and jurisdiction issues defined there any test the solution of the test response to the test test of the Company's test exconsibility is to a Company of the document does not response to the content to appearance of their solutions does not advect the transaction documents. Any unauthorized at the content or appearance of their advection documents. Any unauthorized to a transaction from exercising all their rights and solutions under the transaction documents. Any unauthorized to the content of appearance of the test solution to appearance of the document to be transaction documents. Any unauthorized to the test solution to the test solution to be the solution of the test solution of the test solution to the test solution of the test solution of the test solution to the test solution of the test solution to the test solution of test solution of test solution of test solution of test solution



 Report No. : KA/2009/22197

 Date
 : 2009/03/04

 Page
 : 4 of 6

- These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr6+ test method excluded)
- 2) Name of the person who made measurement: Hungming Li
- 3) Name of the person in charge of measurement: Ray Chang



utainess otherwese stated the results shown in this test report refer only to the sample(s) tested. This test report curited be reproduced, except in foll, without price written permission of the Company、算具只有说明,在最近有处理的能力性能行政,不能能力能不少可提倡行业,不可能仿佛就一

an one wereau powe written parameterior or the correlating, the correlation of Service pristed overleaf or available or appearance or the correlating of Service pristed overleaf or available on aquest and accessible at http://www.sga.com/technication accessible accessible at http://www.sga.com/technication accessible accessible accessible accessible accessible accessible at http://technication.ga.com/technication.



Report No. : KA/2009/22197 Date : 2009/03/04 Page : 5 of 6





usiness otherwise stated the results shown in this test report refer drily to the sample(s) tested. This test report cannot be reproduced, accept in full, without prior written permission of the Conteamy. Shi 为有效的 * 度复为的机械和 pristed overtest or available on requires and acceptibile at this Test Report is issued by the Company under its General Conditions of Service printed overtest or available on requires and acceptibile at http://www.sgs.com/latins_agd_conditions.htm, Attention in crawle to the initiation of labbity, index of the test Report is advest that in crawle to the initiation of labbity index of the test Report is advest that in the write the initiation of labbity, index of the test Report is advest that index defined http://www.sgs.com/latins_and_conditions.htm, Attention in crawle to the initiation of labbity, index of the test Report is advest that information contaries the period callents the Company's sole responsibility. Internet and subsection in the content of the test Report is instructions. If any, The Company's sole responsibility is to be the device defined on encourage parties to a transaction from exercising all their rights and oblightions under the transaction documents. Any unsufficient attention, for the test



Report No. : KA/2009/22197 Date : 2009/03/04 Page : 6 of 6



** End of Report **

Unless etherwese stated the results shown in risk test report refer only to the sample s/ tested. This fest report cannot be transduced, except in full, without only written premission of the Contrainy, is a STATERST, press and press and a second state of a state of the Contrainy, is a STATERST, press and a state of the Contrainy and a constant of the Contrainy, is a STATERST, press and a state of the Contrainy and a contraint of the Contrainy, is a state of the State of the Contraint of the Contraint, and the State of the Contraint of the Contraint, and the State of the State of the Contraint of the Contraint, and the State of the S