

INTEGRATION REPORT

Report No:SHR060717307201001

Date:Jul.26,2006

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Client :Ningbo G-Nor Electronics Co.,Ltd
Address :No.100 Wangchun Road Ningbo China
Sample Name :LED miniature bulb
Part No. :BP/BA9S(small),BP/E10(small),BP/T10(small),BP/BA9S(big),BP/E10(big),BP/T10(big),T5(big),T5(small),T10,T10/BA9S,T10/E10,S608-E14
Sample Received Date :Jul.17,2006
Completed Date :Jul.26,2006
Test Requested :According to RoHS directive and clients request, to determine the Lead ,Cadmium,Hexavalent-Chromium , Mercury and PBBs&PBDEs contents in the submitted sample.
Auditing Request :To combine the components test reports according to the clients request, the clients should be responsible for the authenticity and validity of reports.
Test Report :Except marked as "CTI", the following test reports are all provided by other third-party test organizations.
Sample photo :



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CTI	Report No	Report Completed Date
	SHR060607302310001	2006.06.13
Other Third-party Test Organizations.	SH510269/CHEM	2005.03.04
	GZSCR050749131/LP	2005.07.20
	CE/2005/134620	2005.01.26
	SH533961/CHEM	2005.06.08
	GZSCR051297121/LP	2005.12.14
	SH8056497/CHEM	2006.05.18
	GLHGO050003551CM-2	2005.10.11
	SH557409/CHEM	2005.08.22
	GZSCR050422227/LP	2005.04.21
	14701247001	2006.01.12
	14701247002	2006.01.12
	SH57686/CHEM	2005.10.25

Test Method:

Testing Item	Pretreatment Method	Measuring Equipment	Report Limit
Lead (Pb)	US EPA 3052 /US EPA3050B	ICP-AES	2 ppm
Cadmium (Cd)	EN 1122/US EPA3052/US EPA3050B	ICP-AES	2 ppm
Hexavalent chromium (Cr ⁶⁺)	US EPA 3060A	UV-Vis	2 ppm
	IEC 62321, Ed.1(Sec.9) for metal		0.02mg/kg with 50cm ²
Mercury (Hg)	US EPA 3052	Cold-Vapor AA	2 ppm
Polybrominated biphenyl (PBBs)	US EPA 3540 C	GC-MS	5 ppm
Polybrominated diphenyl ether (PBDEs)	US EPA 3540 C	GC-MS	5 ppm

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According to reports and samples provided by the clients, we conclude the components datum as follows:

Report No	SHR060607302310001
Sample Name NO. 1	Plastic case
Testing Item Description	White plastic
Part No.	/
Item/lot No.	/
Material	ABS'
Buyer	/
Supplier	/
Manufacturer	/
Report No	SH510269/CHEM
Sample Name NO. 2	LED Frame
Testing Item Description	/
Part No.	/
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	Ningbo Boan Chou Electronic Ind Co.,Ltd
Report No	GZSCR050749131/LP
Sample Name NO. 3	WL-800A/B
Testing Item Description	/
Part No.	/
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	Xiamen Well-Ta Chemical Co.,Ltd

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Report No	CE/2005/134620
Sample Name NO .4	Ablebond
Testing Item Description	/
Part No.	826-1DS
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	Ablestik Laboratories
Report No	SH533961/CHEM
Sample Name NO .5	Alloy Thread
Testing Item Description	/
Part No.	/
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	Ningbo Kangqiang Electronics Co.,Ltd
Report No	GZSCR051297121/LP
Sample Name NO .6	LED 芯片
Testing Item Description	橙桔色片状物
Part No.	/
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	/

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Report No	SH8056497/CHEM
Sample Name NO .7	Tin&Copper Lead-Free Solder Wire
Testing Item Description	Silvery metal wire
Part No.	/
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	/
Report No	GLHGO650003551CM-2
Sample Name NO .8	铜镀镍灯头
Testing Item Description	1.黑色玻璃 2.银色金属
Part No.	/
Item/lot No.	/
Material	黄铜
Buyer	/
Supplier	/
Manufacturer	/
Report No	SH557409/CHEM
Sample Name NO .9	Circuit Board
Testing Item Description	Green PCB(Mix all)
Part No.	PCB
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	/

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Report No	GZSCR050422227/LP
Sample Name NO .10	Carbon film Resistor
Testing Item Description	1.Yellow body w/multi-color printing 2.Silvery metal pin
Part No.	/
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	/
Report No	I4701247001
Sample Name NO .11	1.copper pin 2.copper pin coating 3.black epoxy resin capsulation 4.white silicon rubber sealing gum
Testing Item Description	/
Part No.	/
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	/
Report No	I4701247002
Sample Name NO .12	Silicon chip
Testing Item Description	/
Part No.	/
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	/

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Report No	SH57686/CHEM
Sample Name NO.13	热溶胶
Testing Item Description	浅黄色透明固体粒子
Part No.	/
Item/lot No.	/
Material	/
Buyer	/
Supplier	/
Manufacturer	上海天雁树脂有限公司

Test Results:

Testing Item	Lead	Cadmium	Hexavalent chromium	Mercury	Polybrominated biphenyl PBBs	Polybrominated diphenyl ether PBDEs
	Pb (ppm)	Cd (ppm)	Cr ⁶⁺ (ppm)	Hg (ppm)	(ppm)	(ppm)
NO.1	28	N.D.	N.D.	N.D.	N.D.	Mon-Oct:N.D. Non:490 Dec>10000
NO.2	N.D.	N.D.	N.D.	N.D.	/	/
NO.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
NO.4	<5	<5	<5	N.D.	/	/
NO.5	6	N.D.	N.D.	N.D.	N.D.	N.D.
NO.6	5	N.D.	N.D.	N.D.	N.D.	N.D.
NO.7	21	N.D.	N.D.	N.D.	/	/
NO.8	1	320	N.D.	3	N.D.	N.D.
	2	64	4	N.D.	N.D.	/
NO.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
NO.10	1	219	N.D.	N.D.	N.D.	N.D.
	2	207	N.D.	N.D.	N.D.	/

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Testing Item		Lead	Cadmium	Hexavalent chromium	Mercury	Polybrominated biphenyl PBBs	Polybrominated diphenyl ether PBDEs
		Pb (ppm)	Cd (ppm)	Cr ⁶⁺ (ppm)	Hg (ppm)	(ppm)	(ppm)
NO.11	1	N.D.	N.D.	N.D.	N.D.	/	/
	2	40.5	N.D.	N.D.	N.D.	/	/
	3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
NO.12		N.D.	N.D.	N.D.	N.D.	/	/
NO.13		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Note : N.D. = Not Detected , ppm = mg/kg, / = Not Required

1. The integration report should not be equal to the testing report
2. Datum from integration report are completely provided by the applicant, CTI is not responsible for the authenticity of other organizations' original datum used for CTI's integration
3. Applicant is responsible for the legal obligation caused by the integration report.
4. If there is any discrepancy, CTI has the final explanation right.

Written by Star Zhao

Inspected by

Tested by

Judy King

Peter Fu

Judith zhou

Approved by

Position

Date Jul.26,2006



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CTI Physical & Chemical Lab.

*** End of Report ***