



TEST REPORT

LAB NO. : (9311)349-0460 Revised
DATE : Dec 21, 2011
REVISED DATE : Dec 23, 2011
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APPLICANT : **DONGGUAN OEMSERV CARGO SECURITY PRODUCTS CO., LTD**
CHUANGYE YUAN INDUSTRIAL AREA, XINHE, WANGJIANG DISTRICT, DONGGUAN CITY, GUANGDONG PROVINCE, RPC

CONTACT PERSON : Ms Deng

DATE OF SUBMISSION : Dec 15, 2011

TEST PERIOD : Dec 15, 2011 to Dec 21, 2011

NO. OF WORKING DAYS : 5

SAMPLE DESCRIPTION : Paper air bag.

Color: /

Style No.: /

P.O. No.: /

Country of Origin: /

Country of Destination: /

MANUFACTURER : /

SUMMARY OF TEST RESULTS

| TEST REQUESTED | CONCLUSION | REMARK |
|---|------------|--------|
| European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) | PASS | |

RW

Bureau Veritas Consumer Products Services (Guangzhou) Co., Ltd
No. 183, Shinan Road, Meilin Plaza Block B, Dongchong, Panyu, Guangzhou, Guangdong Province, China 511453
Tel: (86) 20 2290 2088 Fax: (86) 20 3490 9303
Email: BVCPS_pyinfo@cn.bureauveritas.com
Website: cps.bureauveritas.com

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BUREAU VERITAS CONSUMER PRODUCTS SERVICES (GUANGZHOU) CO., LTD

PREPARED BY : Caidi Peng

APPROVED BY: 

CHARLES WONG
ANALYTICAL LAB MANAGER


JOEIE TSANG
REGIONAL LABORATORY DIRECTOR

REMARK

If there are questions or concerns on this report, please contact the following persons:

- a) GENERAL TEL: (86)755 83437287
FAX: (86)755 83439100
- b) BUSINESS SZ TEL: (86)755 21534695
FAX: (86)755 83439100
BUSINESS GZ TEL: (86) 20 83809765
FAX: (86) 20 83278793

EMAIL: eechemical.sc@cn.bureauveritas.com
WEBSITE: cps.bureauveritas.cn

Bureau Veritas Consumer Products Services (Guangzhou) Co.,Ltd
Address: No.183, Shi Nan Road, Mei Lin Plaza Block B, Dong Chong, 511453
Pan Yu, Guangzhou, Guang Dong, China
Tel : (86)20-22902088 Fax : (86)20-22902098
Website: www.bureauveritas.com/cps



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Photo of the Submitted Sample



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TEST RESULT

European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)

Test Method : See Appendix.

| Test Item(s) | Item / Component Description(s) | Location(s) | Style(s) |
|--------------|---------------------------------|-------------|----------|
| 1 | Brown paper with black print | out bag | - |
| 2 | Transparent soft plastic | inner bag | - |
| 3 | Translucent plastic | spout | - |
| 4 | Red plastic | handle | - |
| 5 | Black plastic | lid | - |
| 6 | Translucent soft plastic | stopper | - |

| | | |
|---|----------|--|
| See Analytes (Parameter) and their corresponding Maximum Allowable Limit (Req.) in Result Table | Type I | Metallic material |
| | Type II | Glass or ceramic material |
| | Type III | Other non-metallic material except Type II |

| - | Unit | Req. | Result | | |
|---------------------|-------|------|--------|------|------|
| Test Item(s) | - | - | 1 | 2 | 3 |
| Type | - | III | III | III | III |
| Parameter | - | - | - | - | - |
| Lead (Pb) | mg/kg | 1000 | ND | ND | ND |
| Cadmium (Cd) | mg/kg | 100 | ND | ND | ND |
| Mercury (Hg) | mg/kg | 1000 | ND | ND | ND |
| Chromium VI (Cr VI) | mg/kg | 1000 | ND | ND | ND |
| PBBs | mg/kg | 1000 | ND | ND | ND |
| MonoBB | mg/kg | - | ND | ND | ND |
| DiBB | mg/kg | - | ND | ND | ND |
| TriBB | mg/kg | - | ND | ND | ND |
| TetraBB | mg/kg | - | ND | ND | ND |
| PentaBB | mg/kg | - | ND | ND | ND |
| HexaBB | mg/kg | - | ND | ND | ND |
| HeptaBB | mg/kg | - | ND | ND | ND |
| OctaBB | mg/kg | - | ND | ND | ND |
| NonaBB | mg/kg | - | ND | ND | ND |
| DecaBB | mg/kg | - | ND | ND | ND |
| PBDEs | mg/kg | 1000 | ND | ND | ND |
| MonoBDE | mg/kg | - | ND | ND | ND |
| DiBDE | mg/kg | - | ND | ND | ND |
| TriBDE | mg/kg | - | ND | ND | ND |
| TetraBDE | mg/kg | - | ND | ND | ND |
| PentaBDE | mg/kg | - | ND | ND | ND |
| HexaBDE | mg/kg | - | ND | ND | ND |
| HeptaBDE | mg/kg | - | ND | ND | ND |
| OctaBDE | mg/kg | - | ND | ND | ND |
| NonaBDE | mg/kg | - | ND | ND | ND |
| DecaBDE | mg/kg | - | ND | ND | ND |
| Conclusion | - | - | PASS | PASS | PASS |



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| - | Unit | Req. | Result | | |
|---------------------|-------|------|--------|------|------|
| Test Item(s) | - | - | 4 | 5 | 6 |
| Type | - | III | III | III | III |
| Parameter | - | - | - | - | - |
| Lead (Pb) | mg/kg | 1000 | ND | ND | ND |
| Cadmium (Cd) | mg/kg | 100 | ND | ND | ND |
| Mercury (Hg) | mg/kg | 1000 | ND | ND | ND |
| Chromium VI (Cr VI) | mg/kg | 1000 | ND | ND | ND |
| PBBs | mg/kg | 1000 | ND | ND | ND |
| MonoBB | mg/kg | - | ND | ND | ND |
| DiBB | mg/kg | - | ND | ND | ND |
| TriBB | mg/kg | - | ND | ND | ND |
| TetraBB | mg/kg | - | ND | ND | ND |
| PentaBB | mg/kg | - | ND | ND | ND |
| HexaBB | mg/kg | - | ND | ND | ND |
| HeptaBB | mg/kg | - | ND | ND | ND |
| OctaBB | mg/kg | - | ND | ND | ND |
| NonaBB | mg/kg | - | ND | ND | ND |
| DecaBB | mg/kg | - | ND | ND | ND |
| PBDEs | mg/kg | 1000 | ND | ND | ND |
| MonoBDE | mg/kg | - | ND | ND | ND |
| DiBDE | mg/kg | - | ND | ND | ND |
| TriBDE | mg/kg | - | ND | ND | ND |
| TetraBDE | mg/kg | - | ND | ND | ND |
| PentaBDE | mg/kg | - | ND | ND | ND |
| HexaBDE | mg/kg | - | ND | ND | ND |
| HeptaBDE | mg/kg | - | ND | ND | ND |
| OctaBDE | mg/kg | - | ND | ND | ND |
| NonaBDE | mg/kg | - | ND | ND | ND |
| DecaBDE | mg/kg | - | ND | ND | ND |
| Conclusion | - | - | PASS | PASS | PASS |

Note / Key :

ND = Not detected

NR = Not requested

% = percent

Detection Limit (mg/kg) :

For Type I - Each (Pb, Cd & Hg) 2

For Type II - Each (Pb, Cd, Hg & Cr VI) 2

For Type III - Each (Pb, Cd, Hg & Cr VI) 2; Each PBBs 50; Each PBDEs 50

">" = Greater than

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

10000 mg/kg = 1 %

Req. = Requirement



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Remark :

- The list of analytes is summarized in table of Appendix.
 - The test flowchart of heavy metals and flame retardants content is listed in table of Appendix.
 - *Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Council Directive 2011/65/EU, Article 4(1).
 - According to European Council Directive 2011/65/EU, Article 5 "Adaptation of the Annexes to scientific and technical progress", exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.
-

END

APPENDIX

| List of Analytes and their Corresponding Test Methods [European Council Directive 2011/65/EU] : | | |
|---|--|---|
| No. | Name of Analytes | Test Method(s) |
| 1 | Lead (Pb) | With reference to EN 62321: 2009, Clauses 8, 9 and 10. |
| 2 | Cadmium (Cd) | |
| 3 | Mercury (Hg) | With reference to EN 62321: 2009, Clause 7. |
| 4 | Chromium VI (Cr VI) | <u>Metal</u> : With reference to EN 62321: 2009, Annex B ^[a] . <u>Polymers & Electronics</u> : With reference to EN 62321: 2009, Annex C. |
| 5 | Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB) | With reference to EN 62321: 2009, Annex A. |
| 6 | Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE) | |
| [a] | The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples. | |

Test Flowchart of Heavy Metals and Flame Retardants Content [European Council Directive 2011/65/EU] :

