TEST REPORT

LAB NO. : (9311)349-0465
DATE : Dec 21, 2011

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 : PP 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

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REMARK

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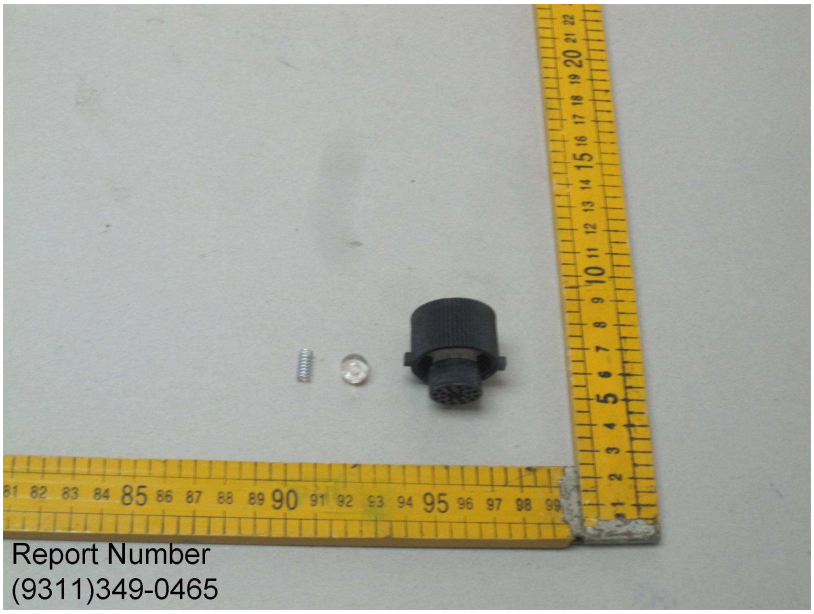
Photo of the Submitted Sample



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	White plastic	outer bag	-
2	Transparent soft plastic	inner bag	-
3	Translucent plastic	spout	-
4	Black plastic	handle	-
5	Black plastic	lid	-
6	Translucent plastic	stopper	-
7	Translucent soft plastic	washer, stopper	-
8	Translucent soft plastic	tube, stopper	-
9	Black plastic	injector, stopper	-
10	Silvery metal	spring, stopper	-
11	Translucent plastic	spring holder, stopper	-
12	Translucent soft plastic	plunger, stopper	-
13	White paper with black print and transparent adhesive	sticker, outer bag	-

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)	-	-	10
Type	-	I	I
Parameter	-	-	-
Lead (Pb)	mg/kg	1000	ND
Cadmium (Cd)	mg/kg	100	ND
Mercury (Hg)	mg/kg	1000	ND
Chromium VI (Cr VI)	-	Negative	Negative*
Conclusion	-	-	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	1	2	3	4
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Lead (Pb)	mg/kg	1000	5.67	ND	ND	ND
Cadmium (Cd)	mg/kg	100	ND	ND	ND	ND
Mercury (Hg)	mg/kg	1000	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	1000	ND	ND	ND	ND
PBBs	mg/kg	1000	ND	ND	ND	ND
MonoBB	mg/kg	-	ND	ND	ND	ND
DiBB	mg/kg	-	ND	ND	ND	ND
TriBB	mg/kg	-	ND	ND	ND	ND
TetraBB	mg/kg	-	ND	ND	ND	ND
PentaBB	mg/kg	-	ND	ND	ND	ND
HexaBB	mg/kg	-	ND	ND	ND	ND
HeptaBB	mg/kg	-	ND	ND	ND	ND
OctaBB	mg/kg	-	ND	ND	ND	ND
NonaBB	mg/kg	-	ND	ND	ND	ND
DecaBB	mg/kg	-	ND	ND	ND	ND
PBDEs	mg/kg	1000	ND	ND	ND	ND
MonoBDE	mg/kg	-	ND	ND	ND	ND
DiBDE	mg/kg	-	ND	ND	ND	ND
TriBDE	mg/kg	-	ND	ND	ND	ND
TetraBDE	mg/kg	-	ND	ND	ND	ND
PentaBDE	mg/kg	-	ND	ND	ND	ND
HexaBDE	mg/kg	-	ND	ND	ND	ND
HeptaBDE	mg/kg	-	ND	ND	ND	ND
OctaBDE	mg/kg	-	ND	ND	ND	ND
NonaBDE	mg/kg	-	ND	ND	ND	ND
DecaBDE	mg/kg	-	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	5	6	7	8
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Lead (Pb)	mg/kg	1000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	100	ND	ND	ND	ND
Mercury (Hg)	mg/kg	1000	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	1000	ND	ND	ND	ND
PBBs	mg/kg	1000	ND	ND	ND	ND
MonoBB	mg/kg	-	ND	ND	ND	ND
DiBB	mg/kg	-	ND	ND	ND	ND
TriBB	mg/kg	-	ND	ND	ND	ND
TetraBB	mg/kg	-	ND	ND	ND	ND
PentaBB	mg/kg	-	ND	ND	ND	ND
HexaBB	mg/kg	-	ND	ND	ND	ND
HeptaBB	mg/kg	-	ND	ND	ND	ND
OctaBB	mg/kg	-	ND	ND	ND	ND
NonaBB	mg/kg	-	ND	ND	ND	ND
DecaBB	mg/kg	-	ND	ND	ND	ND
PBDEs	mg/kg	1000	ND	ND	ND	ND
MonoBDE	mg/kg	-	ND	ND	ND	ND
DiBDE	mg/kg	-	ND	ND	ND	ND
TriBDE	mg/kg	-	ND	ND	ND	ND
TetraBDE	mg/kg	-	ND	ND	ND	ND
PentaBDE	mg/kg	-	ND	ND	ND	ND
HexaBDE	mg/kg	-	ND	ND	ND	ND
HeptaBDE	mg/kg	-	ND	ND	ND	ND
OctaBDE	mg/kg	-	ND	ND	ND	ND
NonaBDE	mg/kg	-	ND	ND	ND	ND
DecaBDE	mg/kg	-	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	9	11	12	13
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Lead (Pb)	mg/kg	1000	ND	ND	ND	2.00
Cadmium (Cd)	mg/kg	100	ND	ND	ND	ND
Mercury (Hg)	mg/kg	1000	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	1000	ND	ND	ND	ND
PBBs	mg/kg	1000	ND	ND	ND	ND
MonoBB	mg/kg	-	ND	ND	ND	ND
DiBB	mg/kg	-	ND	ND	ND	ND
TriBB	mg/kg	-	ND	ND	ND	ND
TetraBB	mg/kg	-	ND	ND	ND	ND
PentaBB	mg/kg	-	ND	ND	ND	ND
HexaBB	mg/kg	-	ND	ND	ND	ND
HeptaBB	mg/kg	-	ND	ND	ND	ND
OctaBB	mg/kg	-	ND	ND	ND	ND
NonaBB	mg/kg	-	ND	ND	ND	ND
DecaBB	mg/kg	-	ND	ND	ND	ND
PBDEs	mg/kg	1000	ND	ND	ND	ND
MonoBDE	mg/kg	-	ND	ND	ND	ND
DiBDE	mg/kg	-	ND	ND	ND	ND
TriBDE	mg/kg	-	ND	ND	ND	ND
TetraBDE	mg/kg	-	ND	ND	ND	ND
PentaBDE	mg/kg	-	ND	ND	ND	ND
HexaBDE	mg/kg	-	ND	ND	ND	ND
HeptaBDE	mg/kg	-	ND	ND	ND	ND
OctaBDE	mg/kg	-	ND	ND	ND	ND
NonaBDE	mg/kg	-	ND	ND	ND	ND
DecaBDE	mg/kg	-	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

Note / Key :

ND = Not detected
NR = Not requested
% = percent
">" = Greater than
mg/kg = milligram(s) per kilogram = ppm = part(s) per million
10000 mg/kg = 1 %
Req. = Requirement

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

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.
- Sampling (s) was/ were specified by client.

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)	Metal : With reference to EN 62321: 2009, Annex B[a]. Polymers & Electronics : 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] :