TEST REPORT

LAB NO. : (6622)248-0006
DATE : September 13, 2022
PAGE : 1 OF 10

Applicant:

Date of Submission: 2022-9-5
Test Period: 2022-9-5 to 2022-9-13
Sample Mode: Sample Presentation
BV EE Ref. No.: /

Sample Description:	Sample(s) received is(are) stated to be: Stove fan		
Manufacturer:	/	Buyer:	/
Style No(s):	FG9004-4, FG9001-3	PO No.:	/
Country of Origin:	/	Country of Destination:	Oversea Country

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION
Compliance Test - European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments (EU) 2015/863	PASS

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

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)

Laboratory Test Location:
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Photo of the Submitted Sample

TEST RESULT

Compliance Test - Heavy Metals, Flame Retardants Content - European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments

Test Method : See Appendix.

See Analytes and their corresponding Maximum Allowable Limit in Appendix

-			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
1	Silvery metal with black plating	Housing	ND	ND	ND	ND	NA	PASS
2	Silvery metal		ND	ND	ND	ND	NA	PASS
3	Silvery metal screw with black plating		ND	ND	ND	ND	NA	PASS
4	Black plastic label with white printing		ND	ND	ND	ND	ND	PASS
5	Silvery metal with black plating		ND	ND	ND	ND	NA	PASS
6	Silvery metal with black plating		ND	ND	ND	ND	NA	PASS
7	Silvery metal with black plating		ND	ND	ND	ND	NA	PASS
8	Silvery metal with black plating		ND	ND	ND	ND	NA	PASS
9	Silvery metal screw with black plating		ND	ND	ND	ND	NA	PASS
10	Silvery metal with black plating		ND	ND	ND	ND	NA	PASS
11	Silvery metal screw with black plating		<500	ND	ND	Negative*	NA	PASS
12	Brown glue	Inside	ND	ND	ND	ND	ND	PASS
13	Silvery graphite		ND	ND	ND	ND	NA	PASS
14	White ceramic		ND	ND	ND	ND	NA	PASS
15	Black plastic		ND	ND	ND	ND	ND	PASS
16	Black plastic		ND	ND	ND	ND	ND*	PASS
17	Coppery metal with silvery plating		ND	ND	ND	ND	NA	PASS
18	Silvery metal solder		ND	ND	ND	ND	NA	PASS
19	Coppery metal with silvery plating		ND	ND	ND	ND	NA	PASS
20	Coppery metal wire with silvery plating		ND	ND	ND	ND	NA	PASS

-			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
21	Black plastic wire jacket	Inside	ND	ND	ND	ND	ND	PASS
22	Red plastic wire jacket		ND	ND	ND	ND	ND	PASS
23	Silvery metal solder	Motor	<500	ND	ND	ND	NA	PASS
24	Silvery metal		ND	ND	ND	ND	NA	PASS
25	Silvery metal with golden plating		ND	ND	ND	ND	NA	PASS
26	Black magnet		ND	ND	ND	<500	NA	PASS
27	Silvery metal		ND	ND	ND	ND	NA	PASS
28	Beige plastic		ND	ND	ND	ND	ND	PASS
29	Grey plastic		ND	ND	ND	ND	ND	PASS
30	Black plastic		ND	ND	ND	ND	ND	PASS
31	Silvery metal solder		ND	ND	ND	ND	NA	PASS
32	Black magnet		ND	ND	ND	<500	NA	PASS
33	Coppery metal with silvery plating		ND	ND	ND	ND	NA	PASS
34	Coppery metal wire with red plating		ND	ND	ND	ND	NA	PASS
35	Transparent plastic		ND	ND	ND	ND	ND	PASS
36	Silvery metal		ND	ND	ND	Negative*	NA	PASS
37	Silvery metal		ND	ND	ND	Negative*	NA	PASS

Note / Key :

ND = Not detected ">" = Greater than "<" = Less than
NR = Not requested mg/kg = milligram(s) per kilogram = ppm = part(s) per million
Detection Limit: See Appendix. NA = Not applicable EX= Exempted

Remark :

- The testing approach is listed in table of Appendix.
- * denotes as reported result(s) was (were) performed by wet chemistry method. Others were screened by XRF. For XRF screening, the result(s) of Cr VI was (were) reported as total chromium and the result(s) of PBBs and PBDEs was (were) reported as total bromine. Also, the XRF result(s) may be different to the actual content based on various factors including, but not limit to, sample size, thickness, area, non-uniformity composition, surface flatness.
- Only selected example(s) is (are) indicated on the photograph(s) in Comment.
- According to European Parliament and 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.

TEST RESULT

Compliance Test - Phthalate Test – (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : Reference to IEC 62321-8: 2017.

Maximum Allowable Limit : 0.1% (Each)

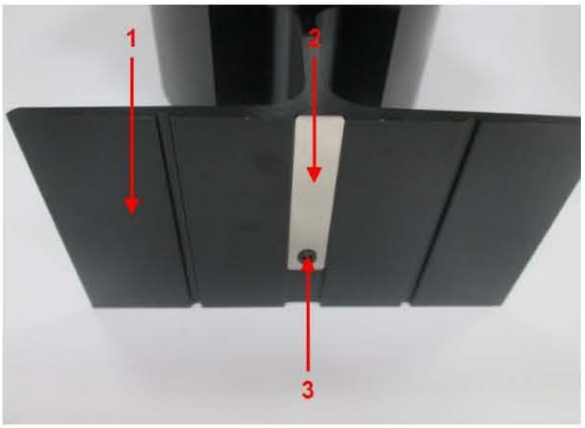
Parameter	CAS No.	Unit	MDL	Result		
				26	4+16+28+29 +30+35	12+15+21+22
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS

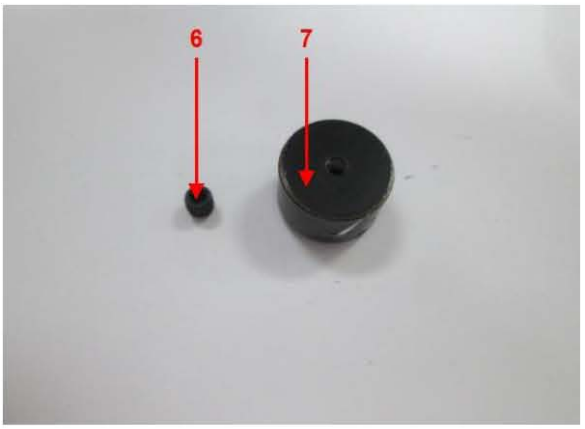
Note: mg/kg= milligram per kilogram % = percentage 1 mg/kg = 0.0001%
MDL = Method Detection Limit ND = Not Detected (< MDL) "-" = Not Regulated

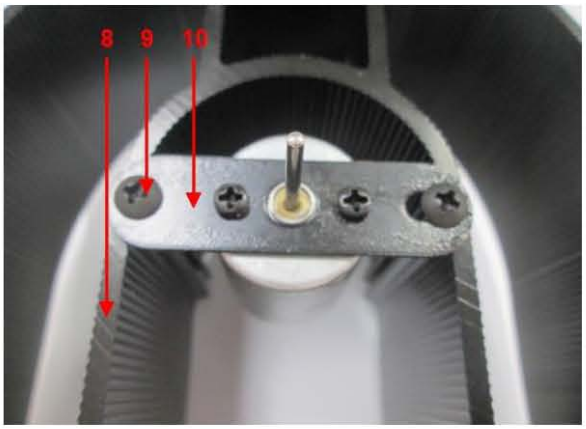
Comment :

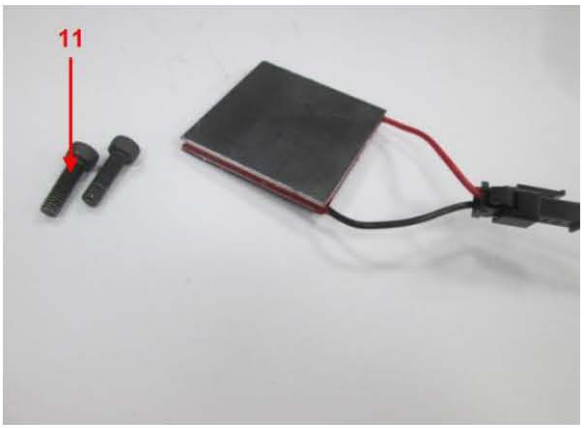
Photograph(s) [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

Photograph depicting Test Item(s)



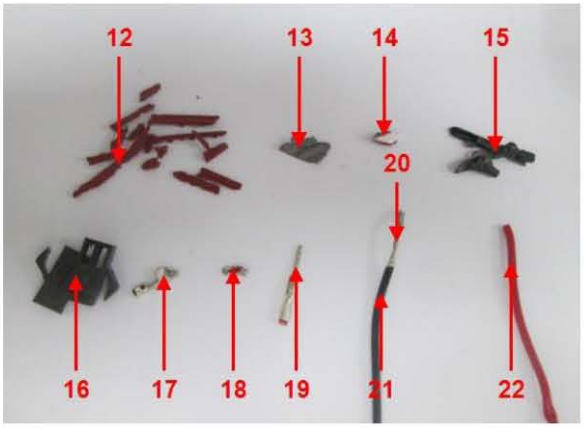


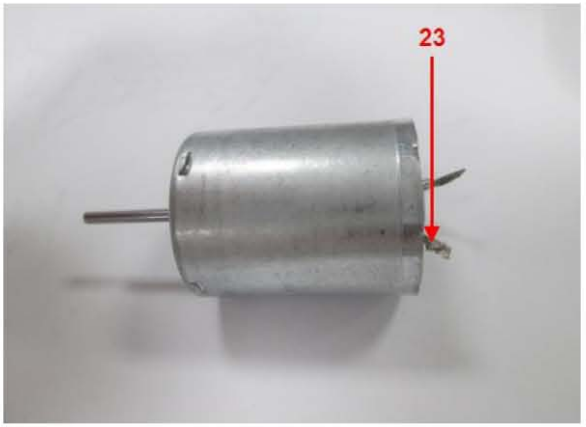


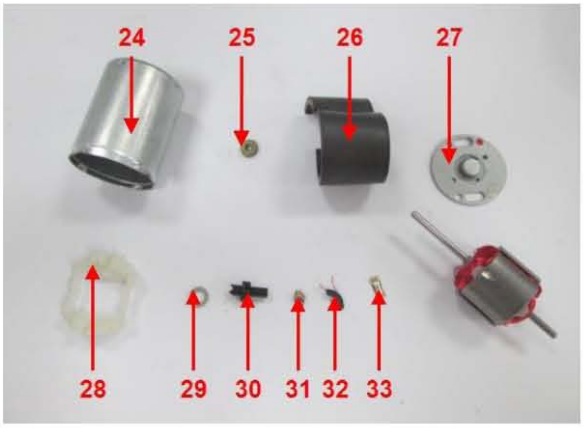


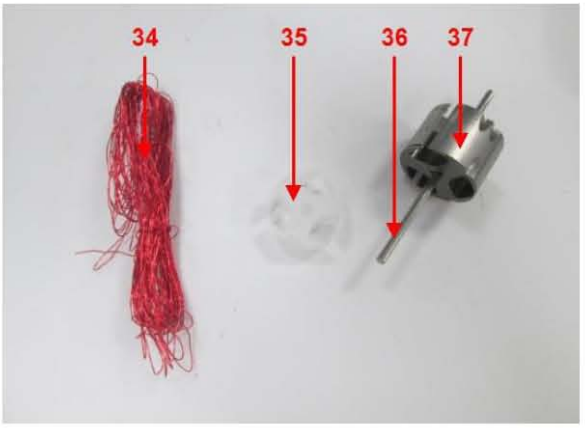
Photograph(s) [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

Photograph depicting Test Item(s)









END

APPENDIX

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

No.	Name of Analyte(s)	Detection Limit (mg/kg)				Maximum Allowable Limit (mg/kg)
		X-ray fluorescence (XRF)[a]			Wet Chemistry	
		Plastic	Metallic / glass / ceramic	Others		
1	Lead (Pb)	100	200	200	10[b]	1 000
2	Cadmium (Cd)	50	50	50	10[b]	100
3	Mercury (Hg)	100	200	200	10[c]	1 000
4	Chromium (Cr)	100	200	200	NA	NA
5	Chromium VI (Cr VI)	NA	NA	NA	3[g, h] / 10[d] / See [e, i]	1 000 / Negative[i]
6	Bromine (Br)	200	NA	200	NA	NA
7	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	NA	NA	NA	Each 50[f]	Sum 1 000
8	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)	NA	NA	NA	Each 50[f]	Sum 1 000

NA = Not applicable IEC = International Electrotechnical Commission

[a] Test method with reference to International Standard IEC 62321-3-1: 2013.

[b] Test method with reference to International Standard IEC 62321-5: 2013.

[c] Test method with reference to International Standard IEC 62321-4: 2013+AMD1: 2017.

[d] Polymers and Electronics - Test method with reference to International Standard IEC 62321-7-2: 2017.

[e] Metal - Test method with reference to International Standard IEC 62321-7-1: 2015.

[f] Test method with reference to International Standard IEC 62321-6: 2015.

[g] Leather - Test method International Standard ISO 17075: 2017.

[h] Other Than Metal, Leather, Polymers and Electronics - Test method with reference to International Standard ISO 17075: 2017.

[i] 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 Parliament and 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 Parliament and Council Directive 2011/65/EU, Article 4(1).

Testing Approach [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

The testing approach was with reference to the following document(s).

1 International Standards IEC 62321-1: 2013 and IEC 62321-2: 2021

2 "RoHS Enforcement Guidance Document Version 1" by EU RoHS Enforcement Authorities Informal Network. (May 2006)

3 "RoHS Regulations - Government Guidance Notes" by United Kingdom Department for Business Innovation & Skills. (February 2011)

4 "Final Report to RoHS substances (Hg, Pb, Cr(VI), Cd, PBB and PBDE) in electrical and electronic equipment in Belgium" by Belgium Federal Public Service Health, Food Chain Safety and Environment. (November 2005)

Annex

The client declared that the materials used of below Styles are same as tested style .

FG9002-3, FG9006-4, FG9007-4, FG9008, FG9009-2, FG9010-4, FG9011-4, FG9013-6, FG9014-5

FG9002-3

FG9006-4

FG9007-4

FG9008

FG9009-2

FG9010-4

FG9011-4

FG9013-6

FG9014-5

Remark:
Since the client was not able to provide the sample of additional Style, above additional Style(s) hasn't been tested, but only based on the guarantee letter provided by the client. Bureau Veritas-CPS takes no responsibility for any mistakes and the problems of product consistency caused by inaccurate and/or invalid information submitted by the client. The client will take the responsibility of all discrepancy and risk.