

SURVEY REPORT

NO.: A001C120721001001-1

Date: Aug 01, 2012

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Applicant: NINGBO SHENGGUANG MOTOR CO.,LTD

Address: 12 Yuanqu Road, Wuxiang Industrial Zone, Yinzhou District, Ningbo City, Zhejiang Province, China

Report on the submitted sample said to be

Sample name: MOTOR

Model: TG-38

Item/Lot No.: /

Material: /

Buyer: /

Supplier: /

Manufacturer: /

Reports received date: Jul 21, 2012

Requisition: To combine the test reports for the submitted sample

Conclusion: All test reports are combined as specified by the client; all the testing items, Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr^{6+}) and/or Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers (PBDEs) content in the reports are restricted in Directive 2011/65/EU (RoHS).

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE (S)*****

Signed for and on behalf of

Shenzhen AOV Testing Technology Co., Ltd

Prepared by:

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Technical Director

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Test Results:

No.	Sample description in report	Unit	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Hexavalent Chromium(Cr ⁶⁺)
1	4Cr13 (Grey-silvery metal stick)	ppm	N.D.	N.D.	N.D.	Negative
2	PHENOLIC MOLDING COMPOUNDS (Black solid grain)	ppm	8	N.D.	N.D.	N.D.
3	铍铜碳刷架 (铜色金属)	ppm	62	N.D.	N.D.	Negative
4	Zinc Oxide Varistor (Silvery surfaced material)	ppm	N.D.	N.D.	N.D.	N.D.
5	Magnet Wire-Component (Copper-colored metal wire w/ transparent surface)	ppm	22	N.D.	N.D.	N.D.
6	OIL RETAINING BEARING(IN CHINESE AS 含油轴承)(Bronze metal w/ liquid)	ppm	24	N.D.	N.D.	Negative
7	JPM-2A JPM-2C (Deep gray solid)	ppm	N.D.	N.D.	N.D.	N.D.
8	black carbon (Brush Of Metal And Plumbago)	ppm	70	N.D.	N.D.	N.D.
9	不锈钢制成品 (银灰色金属)	ppm	N.D.	N.D.	N.D.	Negative
10	COPPER PRODUCTS C1050(TAG) (Copper-colored metal sheet)	ppm	N.D.	N.D.	N.D.	Negative
11	矽钢片制成品 (深灰色金属)	ppm	N.D.	N.D.	N.D.	Negative
12	Circular Shell (Silver plated metal)	ppm	N.D.	N.D.	N.D.	Negative
13	Lead-Free Soldering Material 无铅焊料 (Silvery White Aluminium Rod 银白色铝条)	ppm	73	N.D.	N.D.	Negative
14	DURACON (PPC, PAP); CELCON (PPC, TICONA) (MIXED ALL PARTS: (PPC, PAP); CELCON (PPC, TICONA))	ppm	N.D.	N.D.	N.D.	N.D.
15	Brush holder of micro motor (Beige plastic)	ppm	N.D.	N.D.	N.D.	N.D.
16	高解析油墨 (黑色油墨)	ppm	N.D.	N.D.	N.D.	295
17	黄铜端子 (镀锡) (黄铜色金属)	ppm	74	N.D.	N.D.	Negative
18	Rubber Magnet (Black soft material)	ppm	N.D.	N.D.	N.D.	5
19	Up and down clamp plate(Silvery metal)	ppm	11	N.D.	N.D.	Negative
20	Shaft sleeve、Washer (Metal)	ppm	19	N.D.	N.D.	Negative
21	Gearwheel (Metal)	ppm	7	N.D.	N.D.	Negative
22	Needle Axis (Silvery metal)	ppm	N.D.	N.D.	N.D.	Negative
23	Copper Pillar(Copper-colored metal)	ppm	N.D.	N.D.	N.D.	Negative
24	Output Shaft (Silvery metal)	ppm	15	N.D.	N.D.	Negative
25	Gearwheel Casing (Metal)	ppm	N.D.	N.D.	N.D.	Negative
26	Screw (Metal)	ppm	12	N.D.	N.D.	Negative
27	Plastic Gearwheel (Plastic)	ppm	N.D.	N.D.	N.D.	N.D.
28	Lubricating Oil (Lubricating Oil)	ppm	N.D.	N.D.	N.D.	N.D.
29	Connection Plate (Metal)	ppm	N.D.	N.D.	N.D.	Negative

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Note:

-N.D.= not detected

-ppm=mg/kg

 -Negative=Absence of Cr^{6+}
Test Results:

Items	Unit	No.1	No.2	No.4	No.5	No.6	No.8	No.13	No.14	No.15	No.16
PBBs	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
MonoBB	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
DiBB	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TriBB	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TetraBB	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PentaBB	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
HexaBB	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
HeptaBB	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
OctaBB	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
NonaBB	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
DecaBB	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PBDEs	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
MonoBDE	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
DiBDE	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TriBDE	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TetraBDE	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
PentaBDE	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
HexaBDE	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
HeptaBDE	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
OctaBDE	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
NonaBDE	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
DecaBDE	ppm	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Items	Unit	No.18	No.27	No.28
PBBs	ppm	N.D.	N.D.	N.D.
MonoBB	ppm	N.D.	N.D.	N.D.
DiBB	ppm	N.D.	N.D.	N.D.
TriBB	ppm	N.D.	N.D.	N.D.
TetraBB	ppm	N.D.	N.D.	N.D.
PentaBB	ppm	N.D.	N.D.	N.D.
HexaBB	ppm	N.D.	N.D.	N.D.
HeptaBB	ppm	N.D.	N.D.	N.D.
OctaBB	ppm	N.D.	N.D.	N.D.
NonaBB	ppm	N.D.	N.D.	N.D.
DecaBB	ppm	N.D.	N.D.	N.D.
PBDEs	ppm	N.D.	N.D.	N.D.
MonoBDE	ppm	N.D.	N.D.	N.D.
DiBDE	ppm	N.D.	N.D.	N.D.
TriBDE	ppm	N.D.	N.D.	N.D.
TetraBDE	ppm	N.D.	N.D.	N.D.
PentaBDE	ppm	N.D.	N.D.	N.D.
HexaBDE	ppm	N.D.	N.D.	N.D.
HeptaBDE	ppm	N.D.	N.D.	N.D.
OctaBDE	ppm	N.D.	N.D.	N.D.
NonaBDE	ppm	N.D.	N.D.	N.D.
DecaBDE	ppm	N.D.	N.D.	N.D.

Note:

-N.D.= not detected

-ppm=mg/kg

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Note:

	<u>Issue date</u>
-Results of No.1 refer to test report SHAEC1201157713	Feb 13, 2012
-Results of No.2 refer to test report SHAEC1117566703	Nov 04, 2011
-Results of No.3 refer to test report CANEC1201170602	Feb 21, 2012
-Results of No.4 refer to test report CANEC1202024801	Mar 12, 2012
-Results of No.5 refer to test report CANEC1202158301	Mar 13, 2012
-Results of No.6 refer to test report CANEC1200761601	Feb 10, 2012
-Results of No.7 refer to test report RLSZD000975180004	Jul 25, 2011
-Results of No.8 refer to test report SZHH00652581	Dec 16, 2011
-Results of No.9 refer to test report CANEC1201152513	Feb 20, 2012
-Results of No.10 refer to test report CANML1201510810	Feb 28, 2012
-Results of No.11 refer to test report CANEC1201152517	Feb 20, 2012
-Results of No.12 refer to test report CANEC1200813606	Feb 13, 2012
-Results of No.13 refer to test report A001C120314069001	Mar 19, 2012
-Results of No.14 refer to test report KA/2012/21063	Feb 22, 2012
-Results of No.15 refer to test report CANEC1112409901	Dec 30, 2011
-Results of No.16 refer to test report CANEC1200190601	Jan 13, 2012
-Results of No.17 refer to test report CANEC1201170603	Feb 21, 2012
-Results of No.18 refer to test report CANEC1111076408	Nov 24, 2011
-Results of No.19 refer to test report A001C120721002001	Jul 30, 2012
-Results of No.20 refer to test report A001C120721002002	Jul 30, 2012
-Results of No.21 refer to test report A001C120721002003	Jul 30, 2012
-Results of No.22 refer to test report A001C120721002004	Jul 30, 2012
-Results of No.23 refer to test report A001C120721002005	Jul 30, 2012
-Results of No.24 refer to test report A001C120721002006	Jul 30, 2012
-Results of No.25 refer to test report A001C120721002007	Jul 30, 2012
-Results of No.26 refer to test report A001C120721002008	Jul 30, 2012
-Results of No.27 refer to test report A001C120721002009	Jul 30, 2012
-Results of No.28 refer to test report A001C120721002010	Jul 30, 2012
-Results of No.29 refer to test report A001C120721002011	Jul 30, 2012

Note:

- Test results except sample No.13, No.19~29, are from other testing organizations. AOV testing technology Co., Ltd has no liability to assume the verification of the authenticity of the above test reports results.
- Photograph is included.

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Photograph of Sample



MOTOR

***End of Report ***