

No. SHAEC1008974101

Date: 08 Jul 2010

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Sample Name : Electric Pepper & Salt Mill

SGS Job No.: SP10-021858 - SH

Model No.: EB

Date of Sample Received: 25 Jun 2010

Verification Period: 25 Jun 2010 - 08 Jul 2010

Verification Requested : Selected test(s) as requested by client.

Verification Method: 1.Review was performed for the samples disjointed from the submitted articles

and the related test reports submitted by the Applicant

2. Tests were performed for the samples indicated by the photos in the report with test methods reference to IEC 62321:2008: Procedures for the Determination of

Levels of Six Regulated Substances in Electrotechnical Products

(1) Screening by XRF Spectroscopy(2) Wet Chemical Test Method

a. Determination of Lead & Cadmium by ICP or AAS

b. Determination of Mercury by ICP

c. Determination of Hexavalent Chromium by Spot test or Colorimetric Method

d. Determination of PBBs and PBDEs by GC/MS

Verification Result : Please refer to next page(s).

Verification Conclusion: Based on the review of previous reports and verification results of the submitted

samples, the results comply with the RoHS Directive 2002/95/EC and its

subsequent amendments.

Note: The test results are related only to the tested items. The report shall not be

reproduced except in full without the written approval of the testing laboratory.

Signed for and on behalf of

SGS-CSTC Ltd.

Jiang Haifei, Alex Senior section head

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
1	Silvery metal (shell)		Pb	BL		Comply	25 Jun 2010
			Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	IN	Negative	Comply	
			PBBs				
			PBDEs				
2	Black plastic (shell)		Pb	BL		Comply	25 Jun 2010
			Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	
3	Transparent plastic		Pb	BL		Comply	25 Jun 2010
	(shell)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	
4	Silvery metal (rotor shaft)		Pb	BL		Comply	25 Jun 2010
			Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				



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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
5	Silvery metal (spring)		Pb	BL		Comply	25 Jun 2010
	(rotor shaft)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	IN	Negative	Comply	
			PBBs				
			PBDEs				
6	Silvery metal (long screw)		Pb	BL		Comply	25 Jun 2010
	(rotor shaft)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	IN	Negative	Comply	
			PBBs				
			PBDEs				
7	Silvery metal (short		Pb	BL		Comply	25 Jun 2010
	screw) (rotor shaft)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				
8	White ceramic (rotor		Pb	BL		Comply	25 Jun 2010
	shaft)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	



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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
9	White plastic (fixed base)		Pb	BL		Comply	25 Jun 2010
	(rotor shaft)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	
10	Silvery metal (thread)		Pb	BL		Comply	25 Jun 2010
	(battery box)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	IN	Negative	Comply	
			PBBs				
			PBDEs				
11	Black plastic (battery		Pb	BL		Comply	25 Jun 2010
	box)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	
12	Silvery metal (spring)		Pb	BL		Comply	25 Jun 2010
	(battery box)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	IN	Negative	Comply	
			PBBs				
			PBDEs				



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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
13	Golden metal (rivet)		Pb	BL		Comply	25 Jun 2010
	(battery box)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				
14	Black plastic (shell)		Pb	BL		Comply	25 Jun 2010
	(switch)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	
15	Silvery metal (contact		Pb	BL		Comply	25 Jun 2010
	piece) (switch)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				
16	Silvery metal (spring)		Pb	BL		Comply	25 Jun 2010
	(switch)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				



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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
17	Silvery metal (round		Pb	BL		Comply	25 Jun 2010
	terminal) (wire)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				
18	Red plastic (jacket) (wire)		Pb	BL		Comply	25 Jun 2010
			Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	
19	Silvery metal (shell)		Pb	BL		Comply	25 Jun 2010
	(motor)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				
20	Black magnet (motor)		Pb	BL		Comply	25 Jun 2010
			Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	IN	2	Comply	
			PBBs				
			PBDEs				



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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
21	Silvery metal (supporting		Pb	BL		Comply	25 Jun 2010
	spring) (shell) (motor)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				
22	Copper-colored metal		Pb	BL		Comply	25 Jun 2010
	(bushing) (shell) (motor)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				
23	Red ceramic capacitor		Pb	BL		Comply	25 Jun 2010
	(body) (end cover)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	
24	Beige plastic (end cover)		Pb	BL		Comply	25 Jun 2010
	(motor)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	



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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
25	Silvery metal (bearing)		Pb	BL		Comply	25 Jun 2010
	(rotor) (motor)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				
26	White plastic (insulated		Pb	BL		Comply	25 Jun 2010
	piece) (rotor) (motor)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	
27	Silvery metal (silicon		Pb	BL		Comply	25 Jun 2010
	plate) (rotor) (motor)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				
28	Copper-colored metal		Pb	BL		Comply	25 Jun 2010
	(loop) (rotor) (motor)		Cd	BL		Comply	
			Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				



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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
29	Black plastic		Pb	BL		Comply	25 Jun 2010
	(commutator) (rotor)		Cd	BL		Comply	
	(motor)		Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs	BL		Comply	
			PBDEs	BL		Comply	
30	Silvery metal		Pb	BL		Comply	25 Jun 2010
	(commutator) (rotor)		Cd	BL		Comply	
	(motor)		Hg	BL		Comply	
			Cr(VI)	BL		Comply	
			PBBs				
			PBDEs				



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Remark:

- (1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr⁶⁺.
 - (b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for Cr⁶⁺) and GC/MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321(unit: mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	BL ≤(70-3σ)< X <(130+3σ)≤OL	BL ≤(70-3σ)< X <(130+3σ)≤OL	LOD < X <(150+3σ)≤ OL
Pb	BL ≤(700-3σ)< X<(1300+3σ)≤ OL	BL \leq (700-3 σ)< X < (1300+3 σ) \leq OL	BL ≤(500-3σ)< X<(1500+3σ)≤ OL
Hg	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(500-3σ)< X <(1500+3σ)≤ OL
Br	BL ≤ (300-3σ)< X		BL ≤ (250-3σ)< X
Cr	BL ≤ (700-3σ)< X	BL ≤ (700-3σ)< X	BL ≤ (500-3σ)< X

- (c) BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection, -- = Not Regulated.
- (d) The XRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- (2) (a) mg/kg = ppm = 0.0001%, ND = Not Detected (<MDL), --- = Not Conducted, = Without Bom.
 - (b) Unit and Method Detection Limit (MDL) in wet chemical test

Test Items	Pb	Cd	Hg
Units	mg/kg	mg/kg	mg/kg
MDL	2	2	2

The MDL for single compound of PBBs & PBDEs is 5 mg/kg and MDL of Cr⁶⁺ for polymer & composite sample is 2 mg/kg.

- * Due to the few amount of sample, MDL of Cr6+ in Polymer and Composite Materials is 10 mg/kg.
- (c) According to IEC 62321, result on Cr⁶⁺ for metal sample is shown as Positive/Negative. Negative = Absence of Cr⁶⁺ coating, Positive = Presence of Cr⁶⁺ coating.
- (d) ▲ As declared by the client, the materials fall into exemption items according to EU directive 2002/95/EC (RoHS) and its subsequent amendments

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Sample photo:



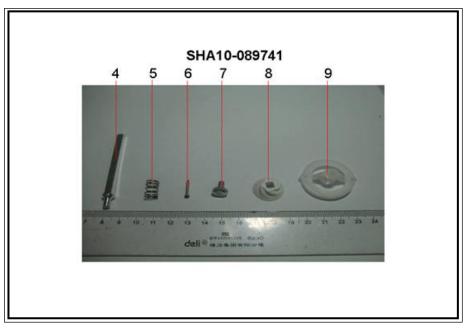




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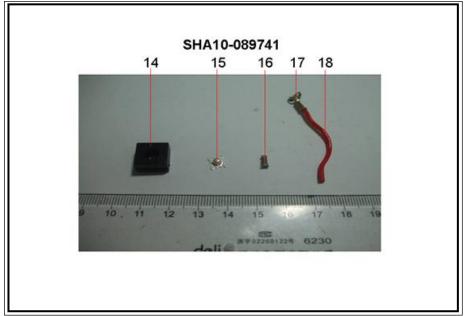


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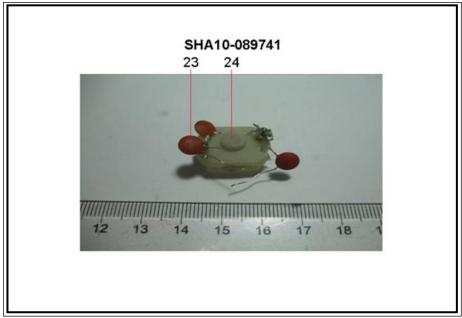


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